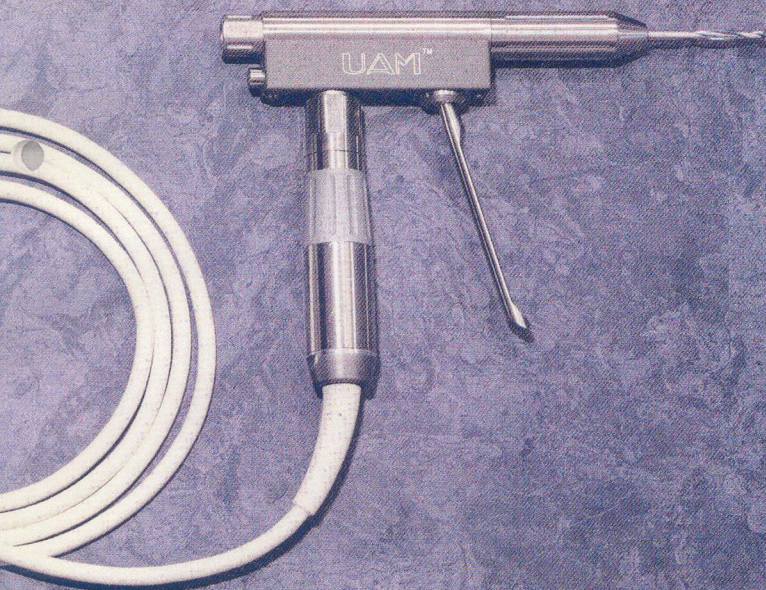


POWER INSTRUMENTATION

for Small Bone Surgery
1-800-521-5002



UAM[®]

UNITED AMERICAN MEDICAL CO.

AN INTRODUCTION TO UNITED AMERICAN MEDICAL CO., INC.

United American Medical Co., Inc. (UAM® is our corporate trademark) was established in 1986 under Tennessee state charter as a surgical power instrumentation company dedicated to providing the medical profession with the finest surgical power instruments and accessories available. United American Medical backs this commitment with more than twenty years of engineering, manufacturing, and marketing experience. The current industry trend in power instrumentation was spawned by the innovations pioneered and introduced by our original engineering and marketing team based in Granger, Indiana in 1976. Tomorrow's trend can be experienced through innovations United American Medical is introducing - today. Our unique cost-effective modular design provides complete interchangeability between all UAM® handpieces and motors. This ingenious feature makes our power system the first in the United States which allows the surgeon to utilize both our electric and pneumatic systems without duplicating handpieces. Once "you" experience the versatility and dependability of the UAM® POWER INSTRUMENT SYSTEM, you will agree that United American Medical has redefined surgical power performance for the next decade.

Several operating room supervisors have asked our sales staff, "Are UAM® saw blades, burrs, twist drills, and rasps made from steel processed in the U.S.A.?" United American Medical is proud to confirm that our products are manufactured and finished with the finest stainless steel produced in the U.S.A.

With a proud past, United American Medical pledges a continuation of quality F.D.A. and 510K registered products for military and non-military operating rooms. Demand the best...
UAM® POWER INSTRUMENTS AND ACCESSORIES.

Defense Logistics Agency Cage Number: 0J9H8
Food and Drug Administration Registration Number: 1051526
UAM® Trademark Registration Number: 1,741,122

THOMAS L. WALLING, JR.
UNITED AMERICAN MEDICAL CO., INC.
CEO



Dedicated to the memory of...

*John E. Boggess
Margaret Jane Heston Smith
John H. Thomas
Zelda Walling Vicha*

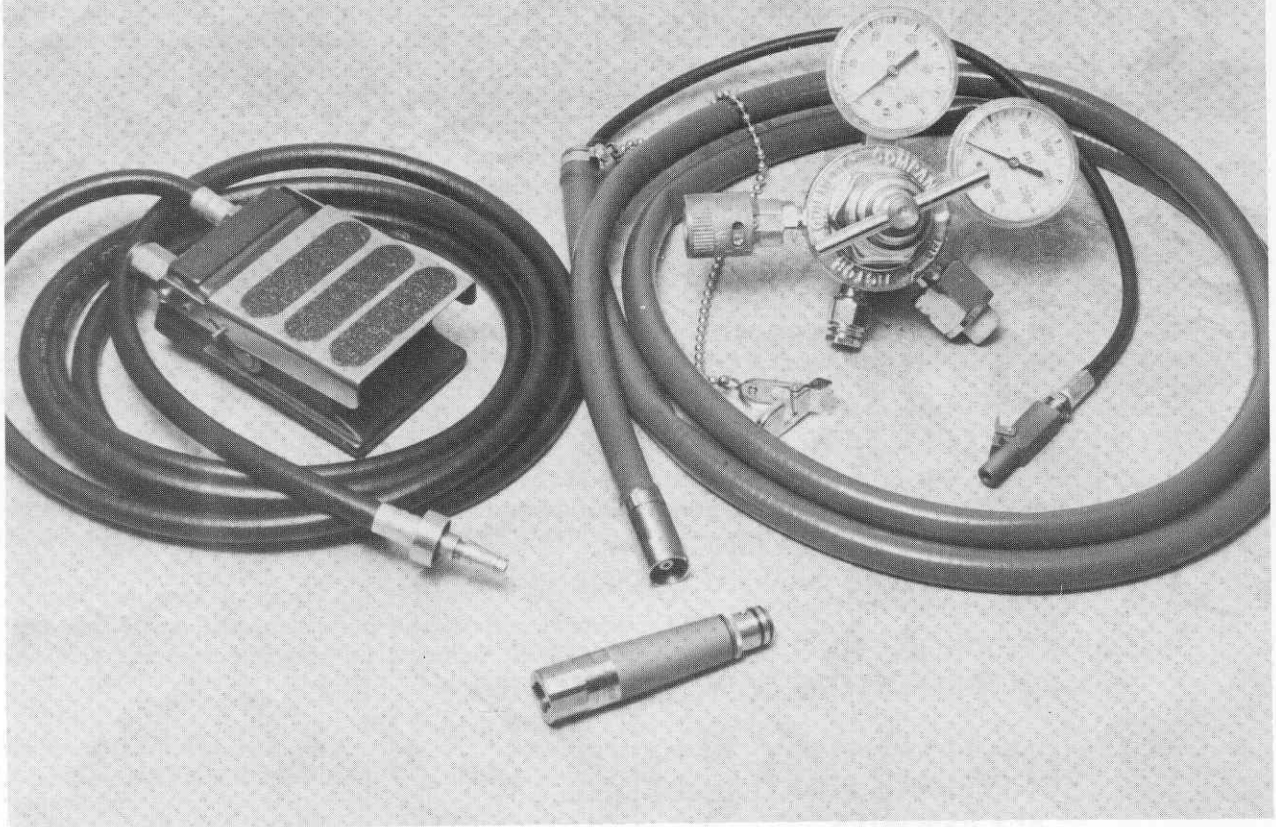
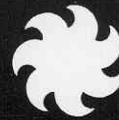
*J.D. Walling - 1860
McMinnville, Tennessee
National Registry of Historic places*

POWER INSTRUMENTATION for Small Bone Surgery

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PNEUMATIC POWER SET

1991-001



POWERFUL!

9750-300 VANE MOTOR

- ▶ 2.5 CFM NITROGEN CONSUMPTION (1-100 PSI OPERATING PRESSURE)
- ▶ 0-30,000 RPM AT 85 PSI (RECOMMENDED)
- ▶ QUICK-LOCKING COUPLER FOR FAST AND EASY HANDPIECE ATTACHMENT
- ▶ AUTOCLAVABLE: REFER TO OPERATING MANUAL - DO NOT IMMERSE

9100-100 10' (300cm) MOTOR HOSE

- ▶ NITROGEN EXHAUST AT FOOTSWITCH
- ▶ WOLF CONNECTOR MODE TO FOOTSWITCH
- ▶ AUTOCLAVABLE: REFER TO OPERATING MANUAL - DO NOT IMMERSE

9100-175 REGULATOR with SCHRADER CONNECTOR

9100-200 PNEUMATIC FOOTSWITCH (Variable Speed)



ELECTRIC POWER SET

1991-000



U.S./INTERNATIONAL (120V/240V)!

9750-104 CONSOLE

- ▶ BUILT-IN INTERNATIONAL POWER CONVERTER (110/120V - 60HZ) / (220/240V - 50HZ)
- ▶ INTERNATIONAL POWER CORDS (OPTIONAL)
- ▶ MANUAL RHEOSTAT MOTOR SPEED LIMITER CONTROL
- ▶ MYLAR CONTROL/DISPLAY PANEL WITH EASY TO READ LED
- ▶ VISUAL AND AUDIO INDICATORS FOR REVERSE MODE AND OVERLOAD
- ▶ SMALL, LIGHTWEIGHT, AND PORTABLE 8 LBS. (3.63 Kg.)
- ▶ ETL APPROVED & CSA APPROVED (Product Safety Equivalency UL 544)

9750-250R ELECTRIC MOTOR/CORD ASSEMBLY

- ▶ SUPERIOR SUPER COBALT MAGNET "BRUSHLESS MOTOR" (30 VOLT - 0-25,000 RPM)
- ▶ QUICK-LOCKING COUPLER FOR FAST AND EASY HANDPIECE ATTACHMENT
- ▶ AMPLE 10' (300cm) MOTOR CORD (9750-120)
- ▶ AUTOCLAVABLE: REFER TO OPERATING MANUAL - DO NOT IMMERSE

9750-117 STANDARD FOOTSWITCH (Variable Speed) **or optional**

9750-118 ROUND FOOTSWITCH (Variable Speed)

SAGITTAL SAW

9750-047

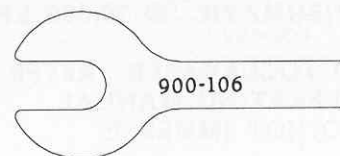
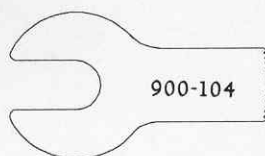
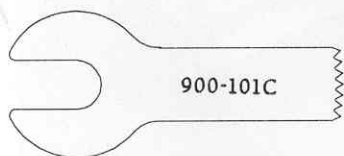
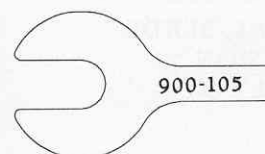
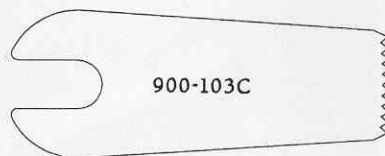
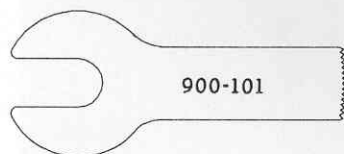
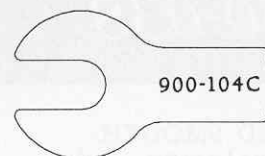
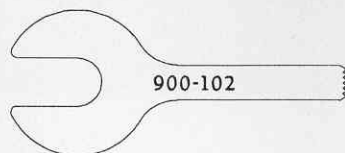
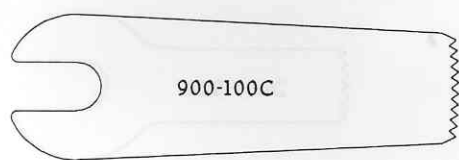


9000-819 ALLEN WRENCH 9/64" (3.57mm) HEX HEAD included with saw

SMOOTH PERFORMANCE!

- ▶ ADVANCED SMOOTH-RUNNING DESIGN IMPROVES TACTILE SENSATION FOR PRECISE CUTTING CONTROL
- ▶ OPERATES IN AN ARC RANGE OF 180°
- ▶ MINIMAL BLADE EXCURSION OF ONLY 5°
- ▶ UAM® ELECTRIC (@ 25,000 RPM) / PNEUMATIC (@ 30,000 RPM)
- ▶ ALLOWS EXCELLENT VISIBILITY TO THE SURGICAL SITE
- ▶ AUTOCLAVABLE: REFER TO OPERATING MANUAL - DO NOT IMMERSE
- ▶ OPERATES WITH UAM® ELECTRIC SET 1991-000, PNEUMATIC SET 1991-001, AND VINTAGE ERGO®-STORZ®/ACUFEX® 750 SERIES POWER SETS

SAGITTAL SAW ACCESSORIES



SAGITTAL BLADES SPECIFICATIONS:

- Manufactured from U.S.A. surgical stainless steel
- Fine blade = 14 Teeth per cm
- Coarse blade = 7 Teeth per cm

BLADES SHOWN ACTUAL SIZE

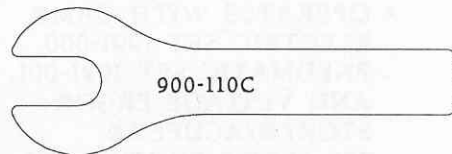
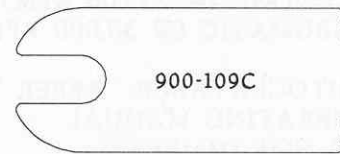
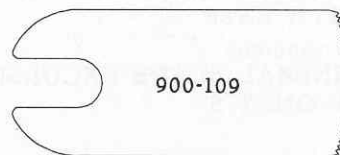
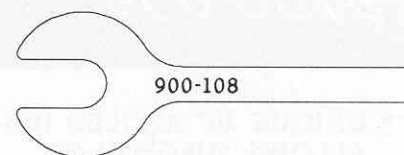
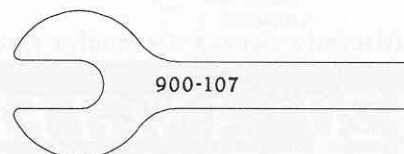
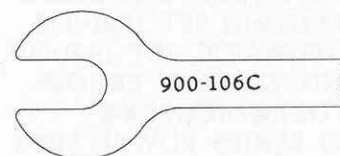
Product No.	Width x Depth (mm)
900-100C	14.0 x 41.0
900-101	9.5 x 25.5
900-101C	9.5 x 25.5
900-102	4.5 x 25.5
900-103C	14.0 x 32.0
900-104	9.5 x 16.0
900-104C	9.5 x 16.0
900-105	4.5 x 16.0
900-106	6.0 x 25.5
900-106C	6.0 x 25.5
900-107	6.0 x 34.0
900-108	4.5 x 34.4
900-109*	19.0 x 25.5
900-109C	19.0 x 25.5
900-110C	8.5 x 42.0

(*) SUGGESTED BY DR. LOWELL S. WEIL
DES PLAINES, IL

(C) INDICATES COARSE TOOTH BLADE

BLADES 0.4mm THICK

BLADES AVAILABLE IN STERILE PACK
(5 EA. PER BOX)



UAM® SAGITTAL BLADES ARE COMPATIBLE WITH MOST ZIMMER®, MICRO-AIRE®, ERGO®-STORZ®/ACUFEX®, & BIOMET® SAGITTAL SAWS. CHECK ACCESSORIES CROSS-REFERENCE: PAGES 26-28. IMPORTANT: READ GENERAL INFORMATION PAGE 29.

STRAIGHT OSCILLATING SAW

9750-038



- ▶ REFINED SMOOTH PERFORMANCE
- ▶ MINIMAL BLADE EXCURSION OF ONLY 5°
- ▶ UAM®
ELECTRIC (@ 25,000 RPM)
PNEUMATIC (@ 30,000 RPM)
- ▶ AUTOCLAVABLE: REFER TO OPERATING MANUAL
DO NOT IMMERSE
- ▶ OPERATES WITH UAM®
ELECTRIC SET 1991-000,
PNEUMATIC SET 1991-001,
AND VINTAGE ERGO®-
STORZ®/ACUFEX®
750 SERIES POWER SETS



• 9000-819 ALLEN WRENCH 9/64" (3.57mm) HEX HEAD included with saw

20° ANGLED OSCILLATING SAW

9750-039

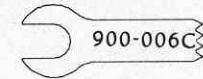
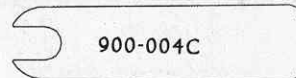
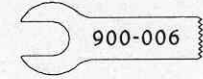
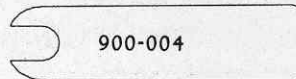
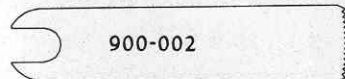
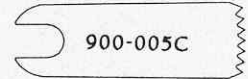
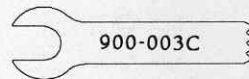
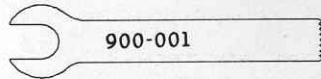
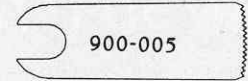
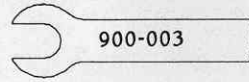
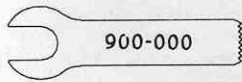


- ▶ UNIQUE 20° ANGLED DESIGN
ALLOWS SURGEON TO
PERFORM OSTEOTOMIES
WITH EASE
- ▶ MINIMAL BLADE EXCURSION
OF ONLY 5°
- ▶ UAM®
ELECTRIC (@ 25,000 RPM)
PNEUMATIC (@ 30,000 RPM)
- ▶ AUTOCLAVABLE: REFER TO
OPERATING MANUAL
DO NOT IMMERSE
- ▶ OPERATES WITH UAM®
ELECTRIC SET 1991-000,
PNEUMATIC SET 1991-001,
AND VINTAGE ERGO®-
STORZ®/ACUFEX®
750 SERIES POWER SETS



• 9000-819 ALLEN WRENCH 9/64" (3.57mm) HEX HEAD included with saw

OSCILLATING SAW ACCESSORIES



OSCILLATING BLADES SPECIFICATIONS:

- Manufactured from U.S.A. surgical stainless steel
- Fine blade = 14 Teeth per cm
- Coarse blade = 7 Teeth per cm

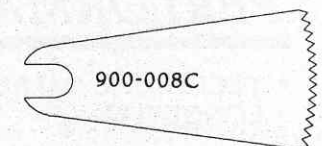
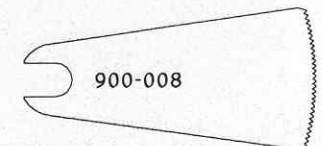
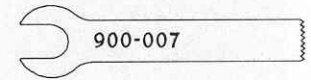
BLADES SHOWN ACTUAL SIZE

Product No.	Width x Depth (mm)
900-000	5.5 x 18.5
900-001	5.5 x 28.5
900-002	10.0 x 35.0
900-003	5.5 x 21.0
900-003C	5.5 x 21.0
900-004	10.0 x 27.0
900-004C	10.0 x 27.0
900-005	10.0 x 18.5
900-005C	10.0 x 18.5
900-006	5.5 x 14.0
900-006C	5.5 x 14.0
900-007	5.5 x 25.0
900-008	18.5 x 18.5
900-008C	18.5 x 18.5

(C) INDICATES COARSE TOOTH BLADE

BLADES ARE 0.4mm THICK

BLADES AVAILABLE IN STERILE PACK
(5 EA. PER BOX)



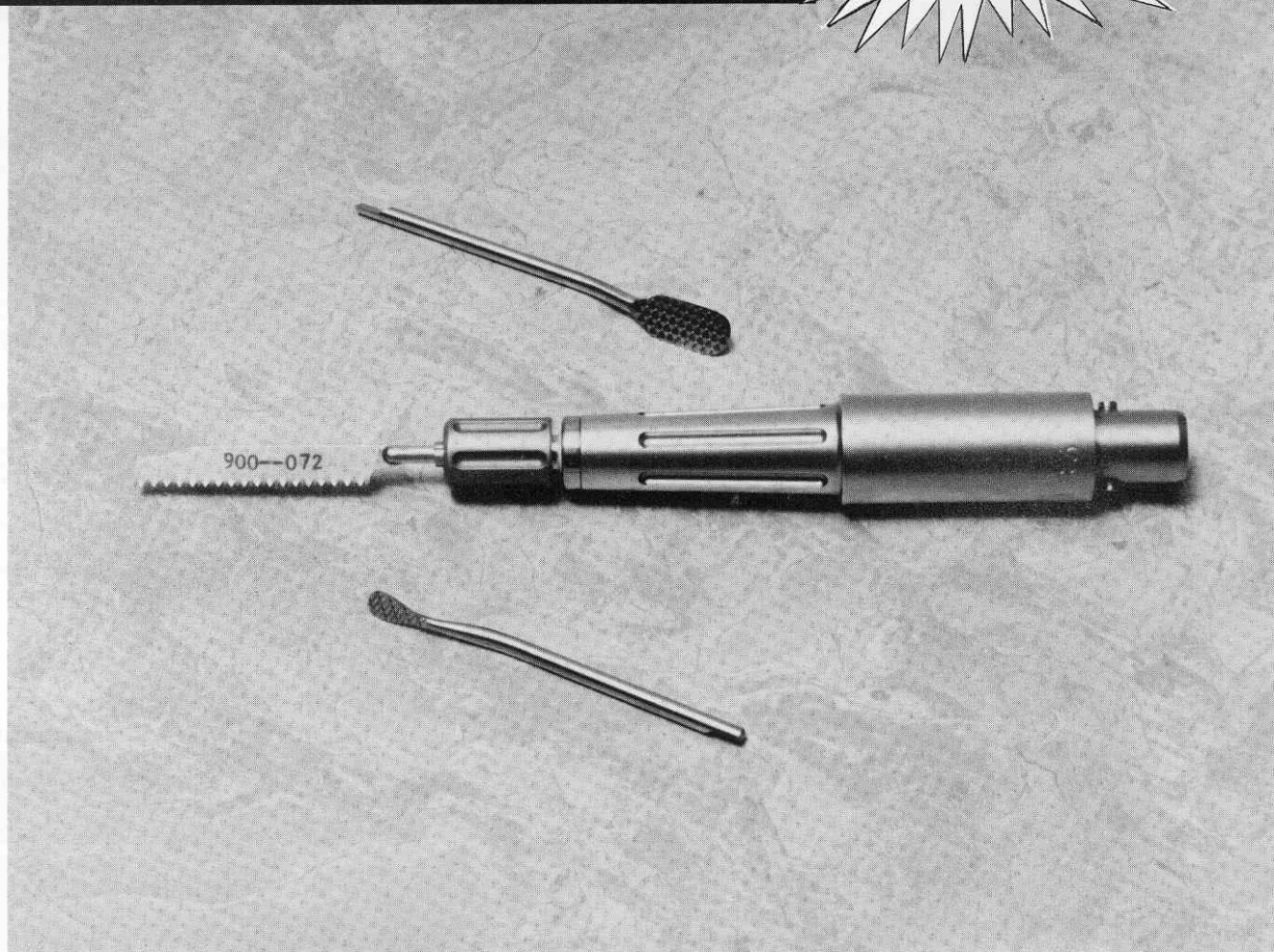
UAM® OSCILLATING BLADES ARE COMPATIBLE WITH MOST ZIMMER®, MICRO-AIRE®, ERGO®-STORZ®, ACUFEX®, & BIOMET® OSCILLATING SAWS. CHECK ACCESSORIES CROSS-REFERENCE. PAGES 26-28
IMPORTANT: READ GENERAL INFORMATION PAGE 29.

RECIPROCATING SAW

9750-040A



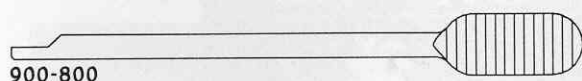
NEW!



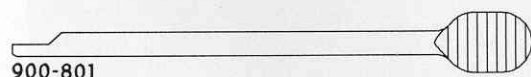
PERFORMANCE PLUS!

- ▶ TECHNICAL IMPROVEMENTS HAVE INCREASED PERFORMANCE AND OVERALL LONGEVITY
- ▶ ACCEPTS BOTH ROUND AND FLAT SHANK RASPS, BLADES, AND BROACHES
- ▶ ALLOWS EXCELLENT VISIBILITY TO THE SURGICAL SITE
- ▶ COMFORTABLY FITS THE SURGEON'S HAND FOR PROPER BALANCE AND FEEL
- ▶ 2:1 REDUCTION RATIO 0-12,000 RPM ELECTRIC (MAXIMUM)
0-15,000 RPM PNEUMATIC (MAXIMUM) WITH STROKE LENGTH OF .097" (2.5mm)
- ▶ AUTOCLAVABLE: REFER TO OPERATING MANUAL - DO NOT IMMERSE
- ▶ OPERATES WITH UAM® ELECTRIC SET 1991-000, PNEUMATIC SET 1991-001, AND VINTAGE ERGO®-STORZ®/ACUFEX® 750 SERIES POWER SETS
- ▶ 9750-040 (1:1 DRIVE RATIO) DISCONTINUED MODEL AVAILABLE WHILE IN STOCK ONLY

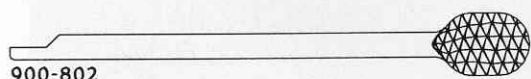
RECIPROCATING SAW ACCESSORIES



900-800



900-801



900-802

RECIPROCATING BLADE SPECIFICATIONS:

- Manufactured from U.S.A. surgical stainless steel
- Fine blade = 14 Teeth per cm
- Coarse blade = 7 Teeth per cm

RASPS & BLADES SHOWN ACTUAL SIZE

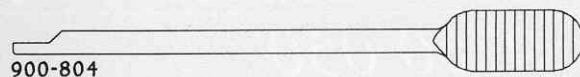
Product No.	Dimension (mm)	Description
RASPS		
900-800	12 x 8	COTTLE RASP
900-801	9 x 5	LARGE STR. TEAR
900-802	9 x 5	LARGE X TEAR
900-804	12 x 8	15° ANG. COTTLE
900-805	17 x 5	NARROW COTTLE
900-806	17 x 5	NARROW X
900-807	17 x 3	THIN COTTLE
900-807-10	10 x 3	THIN COTTLE
900-808	18 x 8	LARGE COARSE X
900-809	18 x 8	15° ANG. LARGE X
RECIPROCATING BLADES		
900-050A*	10 x 2	ROUND SHANK
900-050B*	11 x 2	ROUND SHANK
900-051	2 x 25	ROUND SHANK
900-060	25	FLAT SHANK
900-062R	25	ROUND SHANK
900-070	38	FLAT SHANK
900-072	38	ROUND SHANK

(•) SUGGESTED BY DR. DENNIS WHITE, AUBURN, CA
(X) INDICATES CROSS CUT

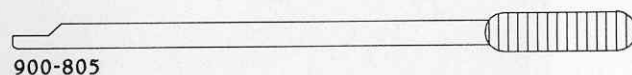
RECIPROCATING BLADES AVAILABLE IN STERILE PACK
(5 EA. PER BOX)

UAM® RECIPROCATING BLADES AND RASPS ARE COMPATIBLE WITH MOST ZIMMER®, STRYKER®, ERGO®-STORZ®/ACUFEX®, MICRO-AIRE®, & BIOMET® RECIPROCATING SAWS. CHECK ACCESSORIES CROSS-REFERENCE: PAGES 26-28

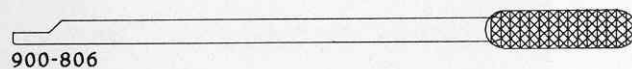
IMPORTANT: READ GENERAL INFORMATION PAGE 29.



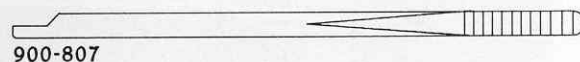
900-804



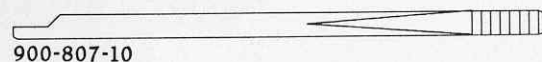
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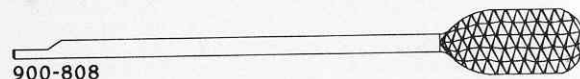
900-806



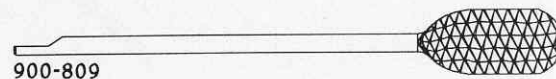
900-807



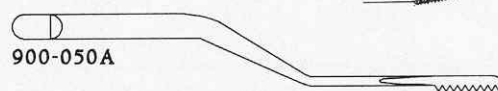
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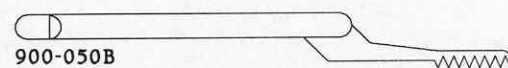
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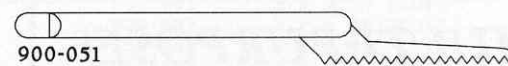
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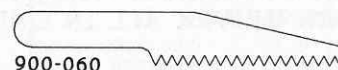
900-050A



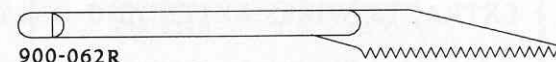
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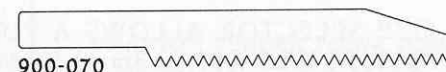
900-051



900-060



900-062R



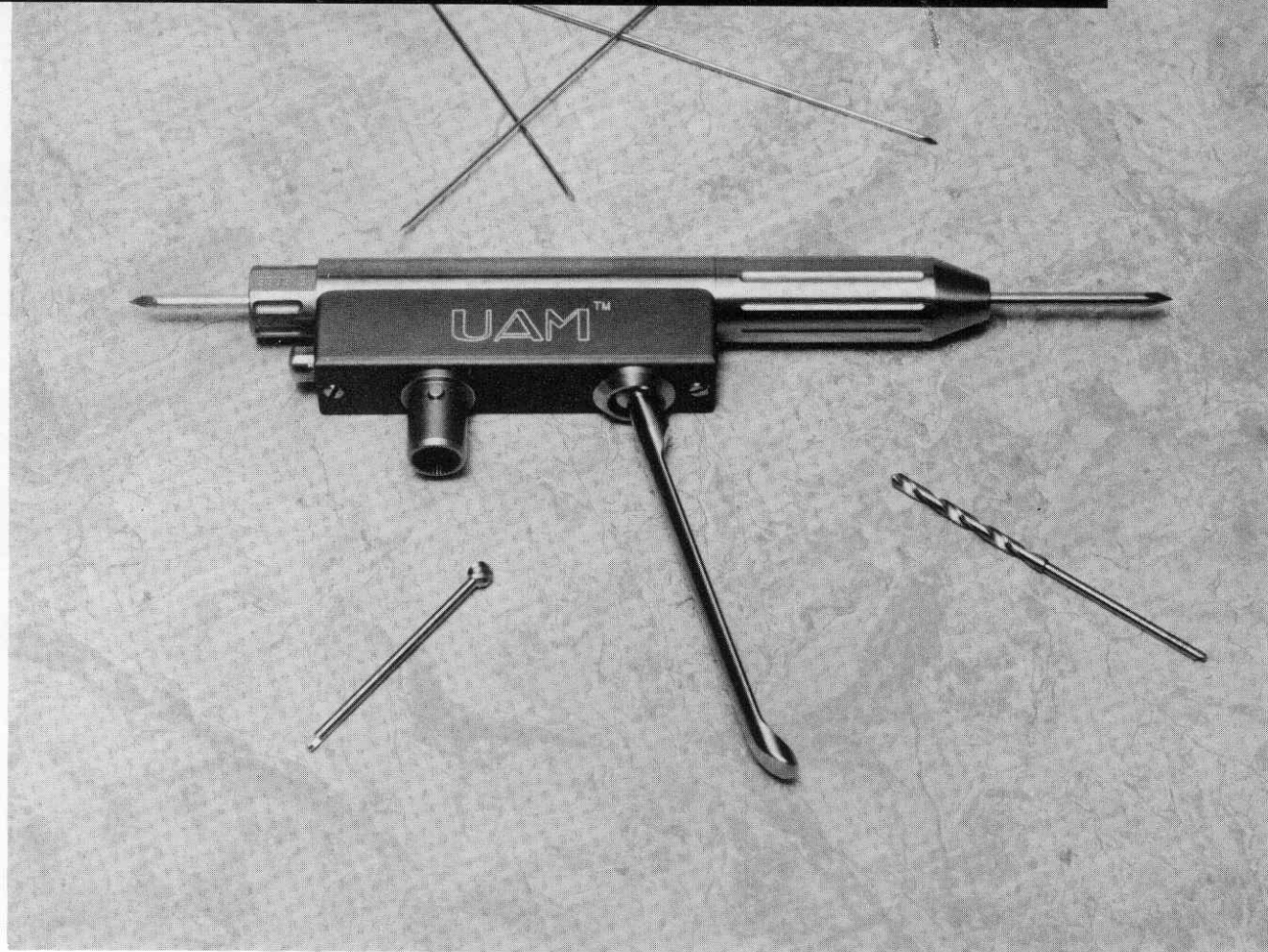
900-070



900-072

UNIVERSAL FIXATION DRIVER

9750-050




MULTI-PURPOSE!

- ▶ MULTI-PURPOSE DRIVER: K-WIRE, TWIST DRILL, WIRE-PASS DRILL, STEINMAN PIN, AND BURR DRIVER ALL IN ONE
- ▶ LOW RPM RANGE (60 RPM) THAT IS PRACTICALLY UNSTOPPABLE
- ▶ EXTRACTS WIRES EXTENDING ONLY 6mm OUT OF THE CORTEX
- ▶ 0-680 RPM ELECTRIC (MAXIMUM) / 0-850 RPM PNEUMATIC (MAXIMUM)
40:1 REDUCTION RATIO
- ▶ DIAL SIZE SELECTOR ALLOWS A FULL RANGE OF K-WIRES, THREADED WIRES, AO TWIST DRILLS .093 (2.3mm) SHANK DIAMETER, AND STEINMAN PINS UP TO .125 (3.2mm) IN DIAMETER
- ▶ NO TOOLS, COLLETS, OR ADAPTERS REQUIRED
- ▶ AUTOCLAVABLE: REFER TO OPERATING MANUAL - DO NOT IMMERSE
- ▶ OPERATES WITH UAM® ELECTRIC SET 1991-000, PNEUMATIC SET 1991-001, AND VINTAGE ERGO®-STORZ®/ACUFEX® 750 SERIES POWER SETS


STERILE K-WIRES with Pin Guards™

(5 Envelopes per box)

Product No.	Dia. x Length	Inches / (mm)	
900-03512	.035 (.889)	x 9" (288.6)	DOUBLE TROCAR
900-04512	.045 (1.143)	x 9" (288.6)	DOUBLE TROCAR
900-06212	.062 (1.651)	x 9" (288.6)	DOUBLE TROCAR
900-03514	.035 (.899)	x 6" (152.4)	DOUBLE TROCAR
900-04514	.045 (1.143)	x 6" (152.4)	DOUBLE TROCAR
900-06214	.062 (1.651)	x 6" (152.4)	DOUBLE TROCAR
900-02813	.028 (.711)	x 4" (101.6)	DOUBLE TROCAR
900-03513	.035 (.899)	x 4" (101.6)	DOUBLE TROCAR
900-04513	.045 (1.143)	x 4" (101.6)	DOUBLE TROCAR
900-06213	.062 (1.651)	x 4" (101.6)	DOUBLE TROCAR





STERILE THREADED K-WIRE with Pin Guards™

(5 Envelopes per box)

Product No.	Dia. x Length	Inches / (mm)	
900-06215	.062 (1.651)	x 9" (228.6)	DOUBLE TROCAR

STERILE Pin Guards™

(5 Envelopes per box)


Product No.	Dia.	Inches / (mm)	Color Code				
900-028	.028 (.711)		Yellow				
900-035	.035 (.899)		Blue				
900-045	.045 (1.143)		White				
900-062	.062 (1.651)		Green				

4 PIN GUARDS™ PER STERILE ENVELOPE; 5 ENVELOPES PER BOX

UNIVERSAL FIXATION DRIVER ACCESSORIES

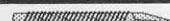
NON-STERILE K-WIRES

(12 Wires per tube)

Product No.	Dia. x Length	Inches / (mm)	
901-020	.035 (.889)	x 9" (228.6)	DOUBLE TROCAR
901-021	.045 (1.143)	x 9" (228.6)	DOUBLE TROCAR
901-022	.054 (1.401)	x 9" (228.6)	DOUBLE TROCAR
901-023	.062 (1.651)	x 9" (228.6)	DOUBLE TROCAR
901-0206	.035 (.899)	x 6" (152.4)	DOUBLE TROCAR
901-0216	.045 (1.143)	x 6" (152.4)	DOUBLE TROCAR
901-0236	.062 (1.651)	x 6" (152.4)	DOUBLE TROCAR
901-0194	.028 (.711)	x 4" (101.6)	DOUBLE TROCAR
901-0204	.035 (.889)	x 4" (101.6)	DOUBLE TROCAR
901-0214	.045 (1.143)	x 4" (101.6)	DOUBLE TROCAR
901-0234	.062 (1.651)	x 4" (101.6)	DOUBLE TROCAR


NON-STERILE THREADED K-WIRE

(6 Wires per tube)

Product No.	Dia. x Length	Inches / (mm)	
901-0621	.062 (1.651)	x 9" (228.6)	DOUBLE TROCAR





NON-STERILE STEINMAN PINS

(6 Pins per tube)

Product No.	Dia. x Length	Inches / (mm)	
901-078	.078 (2.0)	x 9" (228.6)	DOUBLE TROCAR
901-093	.093 (2.4)	x 9" (228.6)	DOUBLE TROCAR
901-125	.125 (3.2)	x 9" (228.6)	DOUBLE TROCAR

NON-STERILE Pin Guards™

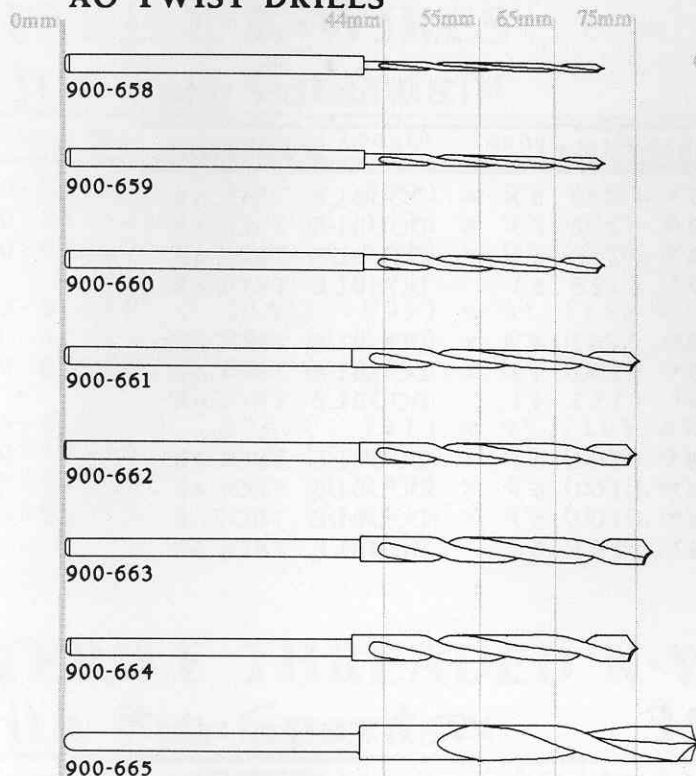
(50 pcs. per bag)

Product No.	Dia.	Inches / (mm)	Color Code	   
900-028-NS	.028 (.711)		Yellow	
900-035-NS	.035 (.899)		Blue	
900-045-NS	.045 (1.143)		White	
900-062-NS	.062 (1.651)		Green	

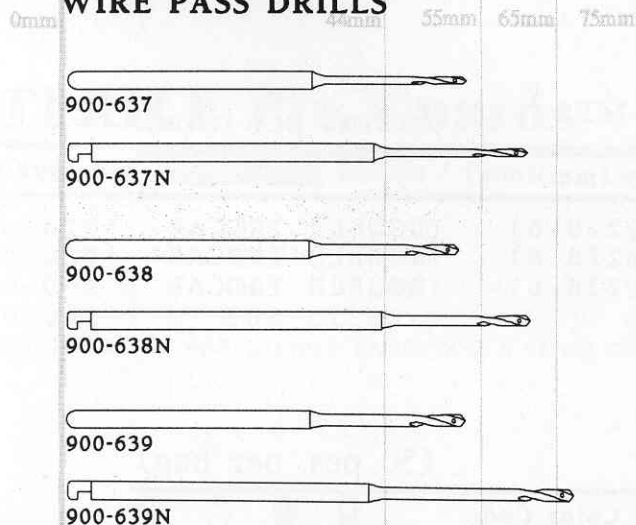
WARNING: DO NOT STEAM AUTOCLAVE

UNIVERSAL FIXATION DRIVER ACCESSORIES

AO TWIST DRILLS

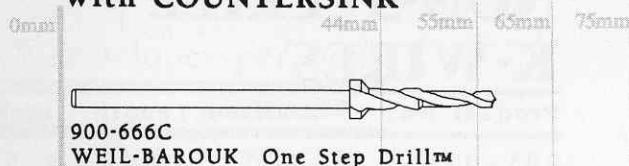


WIRE PASS DRILLS

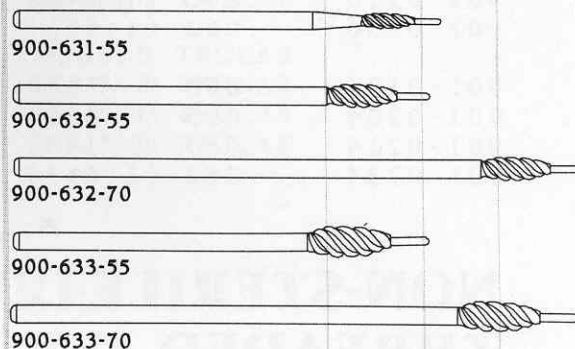


SPECIFY "N" FOR ROTARY AND FIXATION HANDPIECES THAT REQUIRE A NOTCHED SHANK.
NOTE: ALL DRILLS FIT MAJOR COMPANY ROTARY AND FIXATION HANDPIECES. SEE CROSS-REFERENCE FOR COMPATIBILITY: PAGES 26-28
IMPORTANT: READ GENERAL INFORMATION PAGE 29.

AO TWIST DRILL with COUNTERSINK



SWANSON LEADER POINT DRILLS



BURRS AND DRILLS SHOWN ACTUAL SIZE

Product No. Dia. x Length (mm)

AO TWIST DRILLS

900-658	1.1 x 32 FLUTE
900-659	1.5 x 32 FLUTE
900-660	2.0 x 32 FLUTE
900-661	2.5 x 38 FLUTE
900-662	2.7 x 38 FLUTE
900-663	3.2 x 38 FLUTE
900-664	3.5 x 36 FLUTE
900-665	4.5 x 44 FLUTE

WIRE PASS DRILLS

900-637	1.0 x 50 O.A.
900-637N	1.0 x 64 O.A.
900-638	1.5 x 50 O.A.
900-638N	1.5 x 64 O.A.
900-639	2.0 x 50 O.A.
900-639N	2.0 x 66 O.A.

AO TWIST DRILL with COUNTERSINK

900-666C	2.0/2.7 x 19 FLUTE
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SWANSON LEADER POINT DRILLS

900-631-55	2.0 x 55 O.A.
900-632-55	3.0 x 55 O.A.
900-632-70	3.0 x 70 O.A.
900-633-55	4.0 x 55 O.A.
900-633-70	4.0 x 70 O.A.

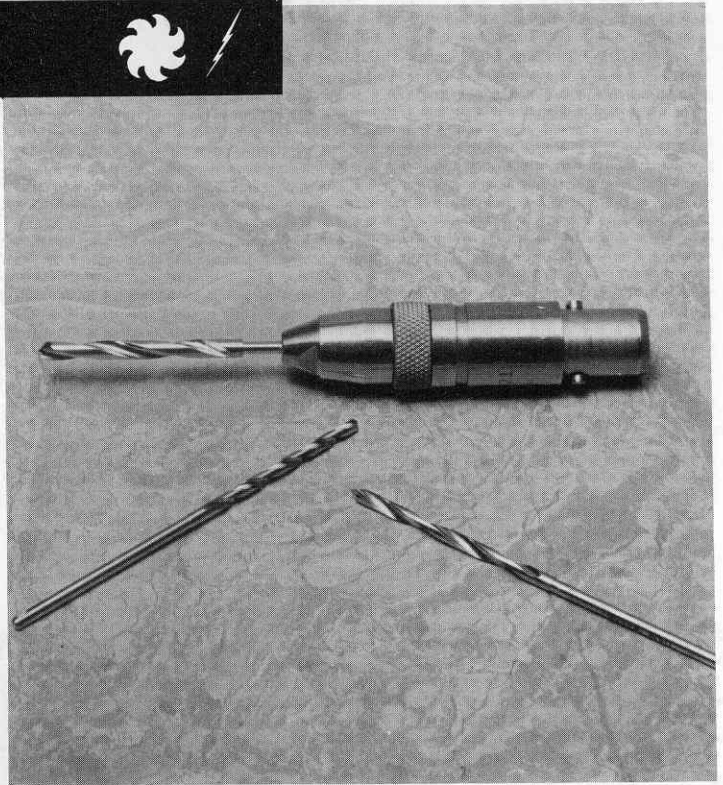
(N) INDICATES NOTCHED FOR STRYKER® AND ERGO® ONLY.
(O.A.) INDICATES "OVER ALL LENGTH"
MOST ROTARY ACCESSORIES AVAILABLE IN STERILE PACK 5 EACH PER BOX.

AO FIXATION HANDPIECE

9750-021



- ▶ ELECTRIC 0-6,250 RPM (MAX.)/
PNEUMATIC 0-7,500 RPM (MAX.)
4:1 REDUCTION RATIO
- ▶ DESIGNED FOR DELICATE
DRILLING OF THE CORTEX
- ▶ FULL RANGE OF AO TWIST
DRILL SIZES
- ▶ BUILT-IN BURR GUARD
- ▶ AUTOCLAVABLE: REFER TO
OPERATING MANUAL
DO NOT IMMERSE
- ▶ OPERATES WITH UAM®
ELECTRIC SET 1991-000,
PNEUMATIC SET 1991-001,
AND VINTAGE ERGO®-
STORZ®/ACUFEX® 750 SERIES
POWER SETS

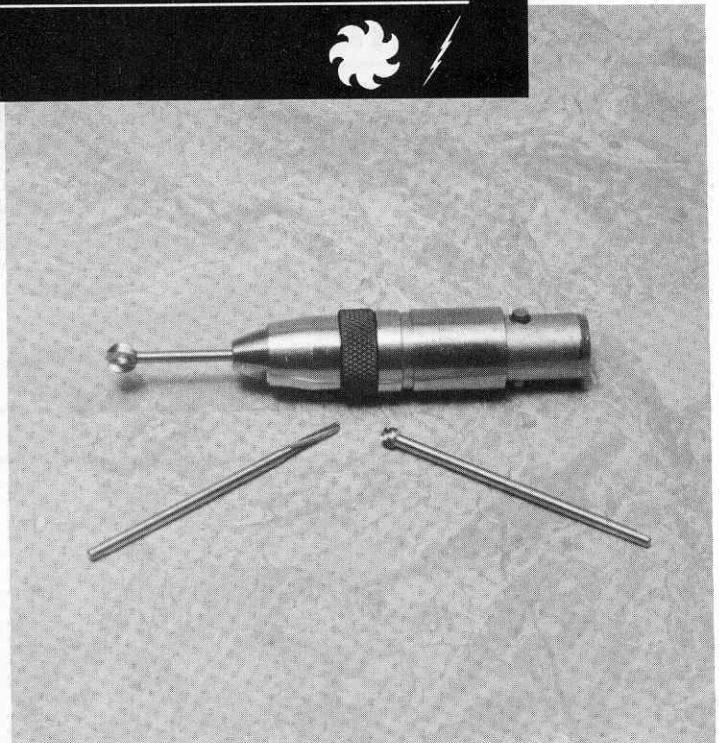


STANDARD ROTARY HANDPIECE

9750-020



- ▶ SUITABLE FOR ALL SPECIALTIES
USING: BURRS, SHANNONS,
LINDEMANN'S, EGGS, PEARS,
OVALS, FISSURES, HELICOIDAL
RASPS, AND WIRE PASS DRILLS
- ▶ ELECTRIC 0-25,000 RPM (MAX.)/
PNEUMATIC 0-30,000 RPM (MAX.)
- ▶ BUILT-IN BURR GUARD
- ▶ AUTOCLAVABLE: REFER TO
OPERATING MANUAL
DO NOT IMMERSE
- ▶ OPERATES WITH UAM®
ELECTRIC SET 1991-000,
PNEUMATIC SET 1991-001,
AND VINTAGE ERGO®-
STORZ®/ACUFEX® 750 SERIES
POWER SETS



SIDE CUTTING BURRS

400-640-55

400-642-55

400-642-65

400-635-55

400-635-65

400-635-75

400-646-70

400-648-70

400-500-70

SIDE CUTTING WEDGE BURRS

900-636-55

900-636-65

900-643-55

900-643-65

LINDEMANN DRILLS

400-633-55

400-634-70

400-639-75

SPECIFY "N" FOR ROTARY AND FIXATION HANDPIECES THAT REQUIRE A NOTCHED SHANK. NOTE: ALL DRILLS AND BURRS FIT MAJOR COMPANY ROTARY AND FIXATION HANDPIECES. SEE CROSS-REFERENCE FOR COMPATIBILITY: PAGES 26-28. IMPORTANT: READ GENERAL INFORMATION PAGE 29.

OVAL/EGG SHAPE BURRS

900-627-55

900-627-70

900-627-95

900-628-55

900-628-70

900-629-55

BURR AND DRILL SPECIFICATIONS:

- Manufactured from U.S.A. surgical stainless steel
- Hand ground flutes

BURRS AND DRILLS SHOWN ACTUAL SIZE

Product No.	Description	Dimension (mm)
SIDE CUTTING BURRS		
400-640-55*	M/SHANNON	2.0 x 5 FLUTE
400-642-55	S/SHANNON	2.0 x 8 FLUTE
400-642-65	S/SHANNON	2.0 x 8 FLUTE
400-635-55	SHANNON	2.0 x 12 FLUTE
400-635-65	SHANNON	2.0 x 12 FLUTE
400-635-75	SHANNON	2.0 x 12 FLUTE
400-646-70	L/SIDE CUT.	2.3 x 20 FLUTE
400-648-70	HELICOIDAL	2.9 x 20 FLUTE
400-500-70	BROPHY	5.0 x 15 FLUTE
WEDGE BURRS		
900-636-55	WEDGE BURR	3.1 x 10 FLUTE
900-636-65	WEDGE BURR	3.1 x 10 FLUTE
900-643-55	WEDGE BURR	4.1 x 13 FLUTE
900-643-65	WEDGE BURR	4.1 x 13 FLUTE
LINDEMANN DRILLS		
400-633-55	SHORT	2.3 x 12 FLUTE
400-634-70	REGULAR	2.3 x 24 FLUTE
400-639-75	X-LONG	2.3 x 35 FLUTE
OVAL/EGG SHAPE BURRS		
900-627-55	OVAL/EGG	4.0 x 55
900-627-70	OVAL/EGG	4.0 x 70
900-627-95	OVAL/EGG	4.0 x 95 OVER ALL LENGTH
900-628-55	OVAL/EGG	5.5 x 55
900-628-70	OVAL/EGG	5.5 x 70
900-629-55	OVAL/EGG	6.0 x 55

(*) SUGGESTED BY DR. DAVE JACOBSON, LOS ANGELES, CA.
M/= MINI S/= SHORT L/= LONG

ROTARY ACCESSORIES

Product No. Head Dia. (mm)

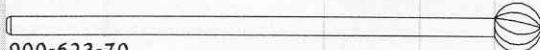
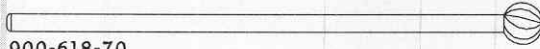
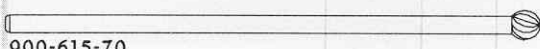
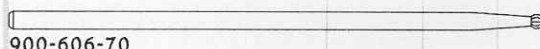
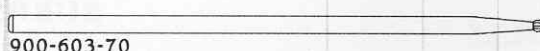
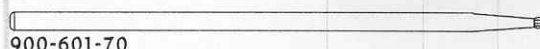
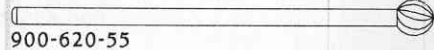
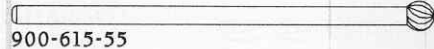
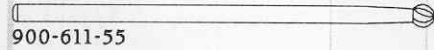
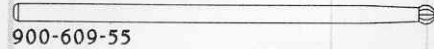
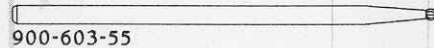
ROUND OSTEOTOMY CUTTING BURRS

900-603-55	1.5	ROUND
900-606-55	2.0	ROUND
900-609-55	2.5	ROUND
900-611-55	3.0	ROUND
900-613-55	3.2	ROUND
900-615-55	4.0	ROUND
900-618-55	5.0	ROUND
900-620-55	5.5	ROUND
900-623-55	6.5	ROUND
900-625-55	7.1	ROUND
900-601-70	1.0	ROUND
900-603-70	1.5	ROUND
900-606-70	2.0	ROUND
900-611-70	3.0	ROUND
900-615-70	4.0	ROUND
900-618-70	5.0	ROUND
900-623-70	6.5	ROUND
900-606-95	2.0	ROUND
900-615-95	4.0	ROUND
900-618-95	5.0	ROUND

NOTE

Most rotary accessories available
in sterile pack (5 ea. per box)

ROUND OSTEOTOMY BURRS



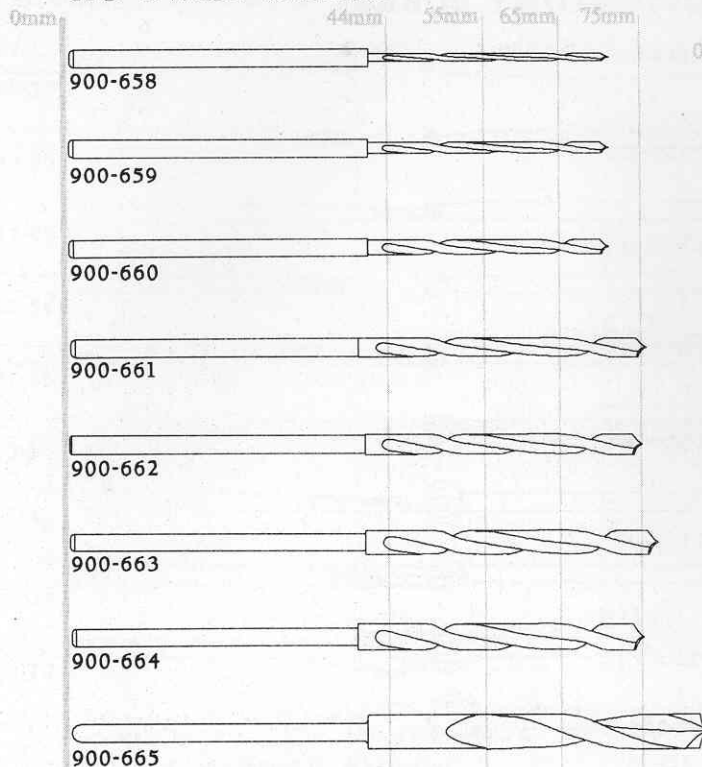
EXTRA LONG ROUND OSTEOTOMY BURRS



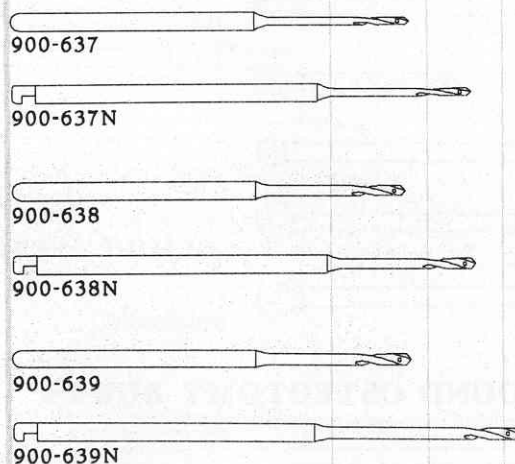
SPECIFY "N" FOR ROTARY HANDPIECES THAT
REQUIRE A NOTCHED SHANK. NOTE: ALL BURRS
FIT MAJOR COMPANY ROTARY HANDPIECES.
SEE CROSS-REFERENCE FOR COMPATIBILITY: PAGES 26-28
IMPORTANT: READ GENERAL INFORMATION PAGE 29.

ROTARY ACCESSORIES

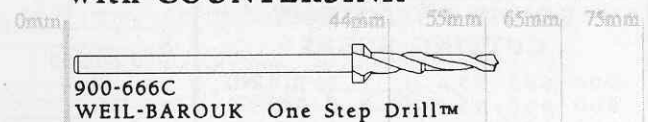
AO TWIST DRILLS



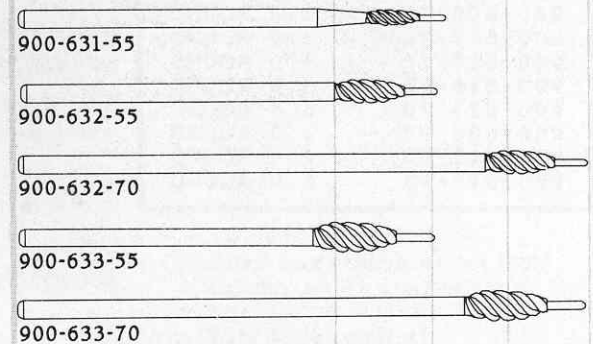
WIRE PASS DRILLS



AO TWIST DRILL with COUNTERSINK



SWANSON LEADER POINT DRILLS



BURRS AND DRILLS SHOWN ACTUAL SIZE

Product No. Dia. x Length (mm)

AO TWIST DRILLS

900-658	1.1 x 32 FLUTE
900-659	1.5 x 32 FLUTE
900-660	2.0 x 32 FLUTE
900-661	2.5 x 38 FLUTE
900-662	2.7 x 38 FLUTE
900-663	3.2 x 38 FLUTE
900-664	3.5 x 36 FLUTE
900-665	4.5 x 44 FLUTE

WIRE PASS DRILLS

900-637	1.0 x 50 O.A.
900-637N	1.0 x 64 O.A.
900-638	1.5 x 50 O.A.
900-638N	1.5 x 64 O.A.
900-639	2.0 x 50 O.A.
900-639N	2.0 x 66 O.A.

AO TWIST DRILL with COUNTERSINK

900-666C	2.0/2.7 x 19 FLUTE
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SWANSON LEADER POINT DRILLS

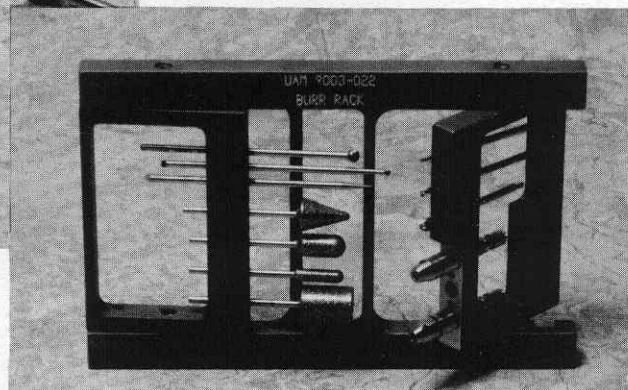
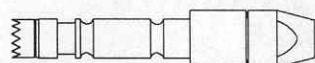
900-631-55	2.0 x 55 O.A.
900-632-55	3.0 x 55 O.A.
900-632-70	3.0 x 70 O.A.
900-633-55	4.0 x 55 O.A.
900-633-70	4.0 x 70 O.A.

SPECIFY "N" FOR ROTARY AND FIXATION HANDPIECES THAT REQUIRE A NOTCHED SHANK
NOTE: ALL DRILLS FIT MAJOR COMPANY ROTARY AND FIXATION HANDPIECES. SEE CROSS-REFERENCE FOR COMPATIBILITY: PAGES 26-28
IMPORTANT: READ GENERAL INFORMATION PAGE 29

(N) INDICATES NOTCHED FOR STRYKER® AND ERGO® ONLY.
(O.A.) INDICATES "OVER ALL LENGTH"
MOST ROTARY ACCESSORIES AVAILABLE IN STERILE PACK 5 EACH PER BOX.

OSTEON® ADAPTER SET 1993-166

NEW!



UNIQUE & COST EFFECTIVE!

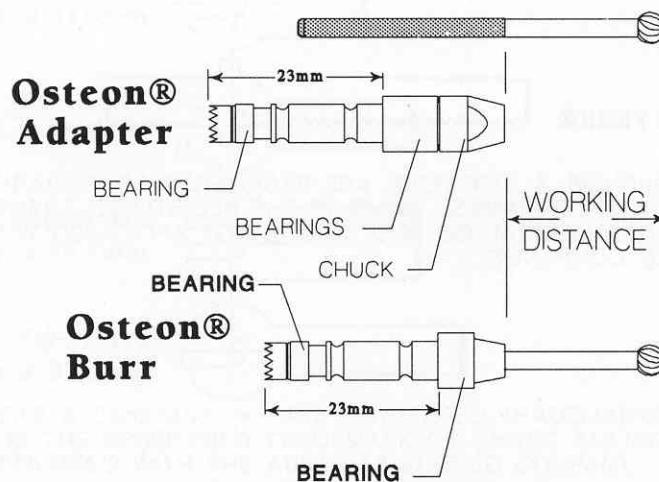
- ▶ SET INCLUDES: [3] OSTEON® ADAPTERS, [1] ADAPTER CRADLE, [1] CUSTOM BURR RACK, AND [1] BURR BRUSH
- ▶ COST EFFECTIVE BECAUSE IT UTILIZES INEXPENSIVE DISPOSABLE BURR PRODUCTS
- ▶ EASY AS 1-2-3: (1) SIMPLY INSERT ADAPTER INTO CRADLE AND ROTATE THE CRADLE BASE ONE FULL TURN TO OPEN POSITION. (2) NEXT INSERT BURR PRODUCT INTO ADAPTER AND ROTATE CRADLE BASE ONE FULL TURN TO CLOSE. (3) INSTALL ADAPTER INTO THE HANDPIECE.
- ▶ ACCEPTS ANY BURR PRODUCT THAT HAS A SHANK DIAMETER OF .093 (2.3mm)
- ▶ ONE YEAR WARRANTY ON PARTS, SERVICE, AND LABOR
- ▶ AUTOCLAVABLE: REFER TO OPERATING MANUAL - DO NOT IMMERSE
- ▶ ALSO WORKS WITH OTOTOME® & ACUMED® DRILLS
- ▶ TO PURCHASE ADDITIONAL OSTEON® ADAPTERS OR ACCESSORIES USE PRODUCT NUMBERS BELOW:
166-000 OSTEON® ADAPTER 166-050 ADAPTER CRADLE
9003-022 OSTEON® BURR RACK 9003-200 BURR BRUSH

ROUND DIAMOND COATED BURRS

SHORT	THIS PORTION FITS IN THE ADAPTER	WORKING DISTANCE	Head Size (mm)	Grit	UAM® BURR NO.	Replaces Zimmer® Prod. No.
			4.0	120	900-768	5056-168
MEDIUM			4.0	60	900-748	5056-148
			5.0	60	900-747	5056-147
			6.0	160	900-767	5056-167
LONG			0.5	200	900-761	5056-161
			0.8	200	900-760	5056-160
			1.0	200	900-758	5056-158
			1.5	150	900-763	5056-163
			2.0	150	900-762	5056-162
			3.0	150	900-759	5056-159
			4.0	120	900-752	5056-152
			5.0	120	900-750	5056-150





CROSS-REFERENCED TO 30mm, 38mm, & 48mm ZIMMER® BURRS
WORKING DISTANCE: Short=21mm, Medium=28mm, & Long=39mm

COMPARISON DIAGRAM






OSTEON® ADAPTER ACCESSORIES

DERMABRADER BURRS

THIS PORTION FITS IN THE ADAPTER	WORKING DISTANCE 21mm	Head Size (mm)	Length (mm)	Grit	UAM® BURR NO.	Replaces Zimmer® Product No.
		4.0	15.0	80	900-780	5056-080
		7.0	15.0	80	900-781	5056-081
		12.0	15.0	80	900-782	5056-082
		10.0	15.0	80	900-783	5056-083

CROSS-REFERENCED TO 30mm ZIMMER® BURRS

WIRE PASS DRILLS

THIS PORTION FITS IN THE ADAPTER	WORKING DISTANCE 24.5mm	Dia. (mm)	Flute Length (mm)	Head Depth (mm)	UAM® BURR NO.	Replaces Zimmer® Product No.
		1.0	8.0	19	900-784	5056-184
		1.5	8.0	19	900-785	5056-185
		2.0	8.0	19	900-786	5056-186

CROSS-REFERENCED TO 38mm ZIMMER® BURRS

BURR RACK,

DUCTS

CRADLE
T INTO
ALL

(mm)

DUCT

ZIMMER/HALL®, OTOTOME®, AND ACUMED® ARE REGISTERED TRADEMARKS OF THOSE RESPECTIVE COMPANIES. UAM® IS THE REGISTERED TRADEMARK OF UNITED AMERICAN MEDICAL CO., INC., AND IS NOT AFFILIATED WITH THE ABOVE MENTIONED COMPANIES.

OSTEON® ADAPTER ACCESSORIES

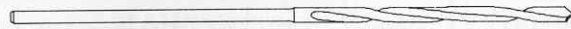
STAINLESS STEEL ROUND CUTTING BURRS

	THIS PORTION FITS IN THE ADAPTER	WORKING DISTANCE	Head size (mm)	No. of Flutes	UAM® BURR NO.	Replaces Zimmer® Product No.
SHORT			0.8	4	900-773	5056-173
			1.0	4	900-774	5056-174
			1.5	6	900-777	5056-177
			2.0	6	900-778	5056-178
			2.5	6	900-779	5056-179
			3.0	8	900-716	5056-116
			4.0	8	900-719	5056-119
			5.0	10	900-718	5056-118
			6.5	10	900-717	5056-117
MEDIUM			3.0	8	900-728	5056-128
			4.0	8	900-727	5056-127
			5.0	10	900-726	5056-126
			6.5	10	900-725	5056-125
LONG			0.5	4	900-766	5056-166
			0.8	4	900-765	5056-165
			1.0	6	900-764	5056-164
			1.5	6	900-740	5056-140
			2.0	6	900-742	5056-142
			2.5	8	900-749	5056-149
			3.0	8	900-746	5056-146
			4.0	10	900-745	5056-145
			5.0	10	900-744	5056-144

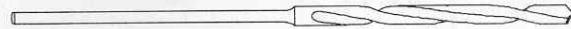
CROSS-REFERENCED TO 30mm, 38mm, & 48mm ZIMMER® BURRS
 WORKING DISTANCE: Short=21mm, Medium=28mm, & Long=39mm

SPECIAL ACCESSORIES

UAM® ".062 Shank" AO TWIST DRILLS



900-660-062
2.0mm x 32mm



900-661-062
2.5mm x 38mm

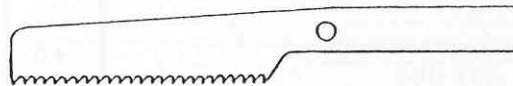


900-662-062
2.7mm x 38mm

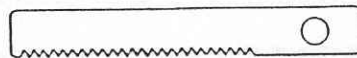
UAM® ".062 Shank" are designed for ZIMMER/HALL®
Micro E Wiredriver (5040-04) & Wiredriver (5053-13)

ZIMMER®, SARNS®, & STRYKER® REPLACEMENT STERNUM BLADES

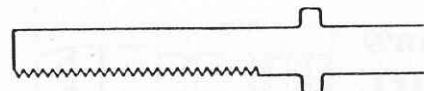
900-5059-32
(5059-32) ZIMMER®



900-87-100
(6027) SARNS®
(277-87-100) STRYKER®



900-97-100
(298-97-100) STRYKER®



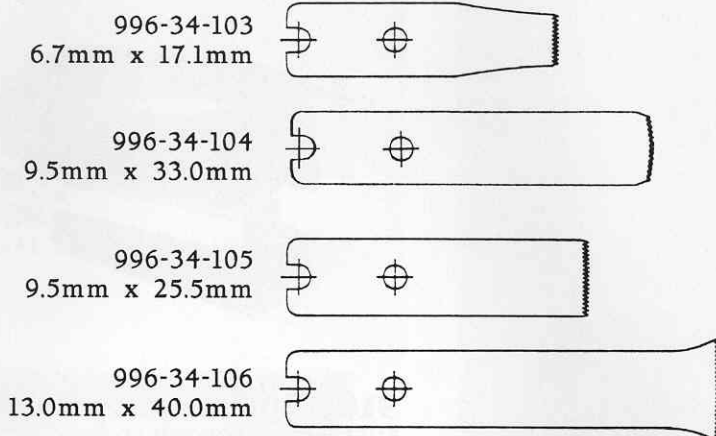
ZIMMER/HALL®, SARNS®, & STRYKER® ARE REGISTERED TRADEMARKS
OF THEIR RESPECTIVE COMPANIES. UAM® IS THE REGISTERED TRADEMARK
OF UNITED AMERICAN MEDICAL CO., INC. AND IS NOT AFFILIATED WITH THE
ABOVE MENTIONED COMPANIES.

DRILLS & BLADES SHOWN ACTUAL SIZE

REPLACEMENT ACCESSORIES

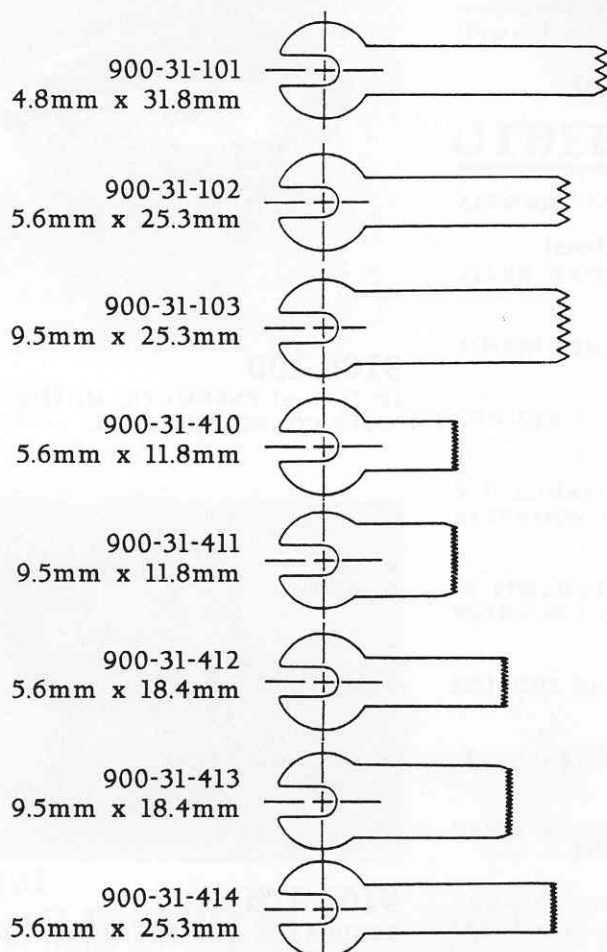
STRYKER® REPLACEMENT SAGITTAL BLADES

UAM® Replacements for 277 & 296 Command I™ series blades



STRYKER® REPLACEMENT OSCILLATING BLADES

UAM® Replacements for 277 & 296 Command I™ series blades

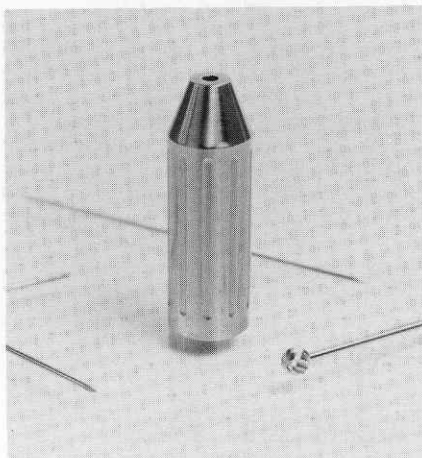


STRYKER® & Command I™ ARE REGISTERED TRADEMARKS OF STRYKER CORPORATION®
UAM® IS THE REGISTERED TRADEMARK OF UNITED AMERICAN MEDICAL CO., INC. AND IS
NOT AFFILIATED WITH THE ABOVE MENTIONED COMPANY.

BLADES SHOWN ACTUAL SIZE

POWER SYSTEM ACCESSORIES

UNIVERSAL FIXATION DRIVER PRECISION GUIDE COVERS



9050-045

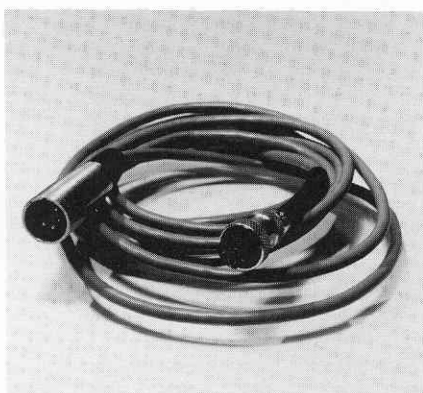
UNIVERSAL GUIDE COVER .045 (1.143mm)
(STANDARD WITH 9750-050)

9050-035

UNIVERSAL GUIDE COVER .035 (.899mm)
(OPTIONAL)

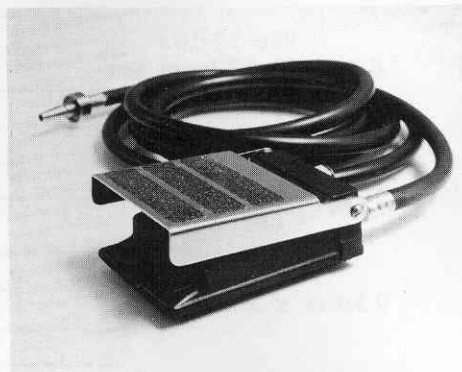
9050-028

UNIVERSAL GUIDE COVER .028 (.711mm)
(OPTIONAL)



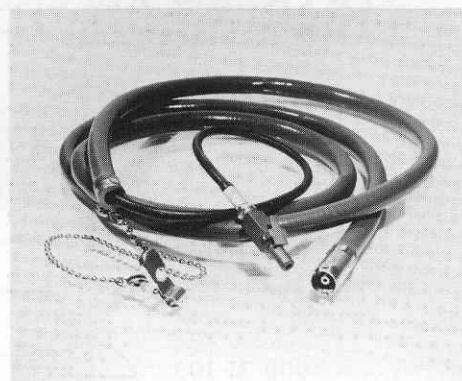
SE750-116

MOTOR CORD 10' (300cm) REPLACEMENT
FOR ERGO®-STORZ®/ACUFEX®
750-100, -200, & -400 SERIES MOTORS



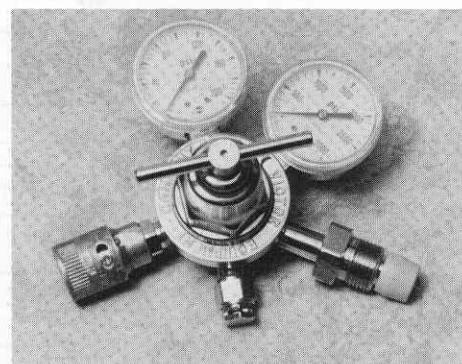
9100-200

PNEUMATIC FOOTSWITCH
(Variable Speed)



9100-100

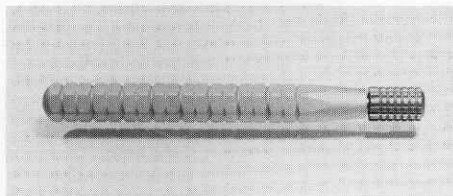
10' (300cm) PNEUMATIC MOTOR HOSE
WOLF CONNECTOR MODE



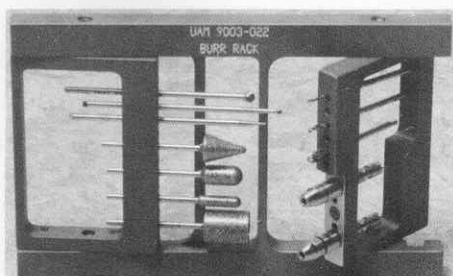
9100-175

REGULATOR with SCHRADER CONNECTOR

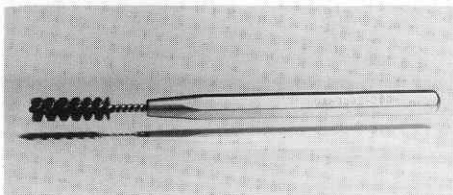
POWER SYSTEM ACCESSORIES



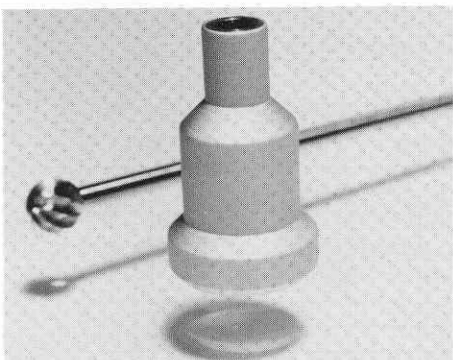
901-008
UNIVERSAL MODULAR HANDLE



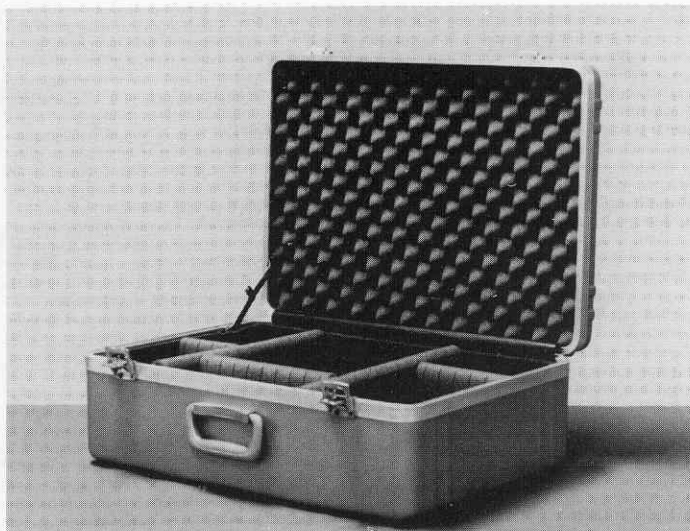
9003-022
OSTEON® BURR RACK



9003-200
BURR BRUSH



9850-101
REPLACEMENT BURR GUARD FOR
ERGO® 750 SERIES HANDPIECES



9003-409
INSTRUMENT CARRYING CASE
with Removable Partitions
(Dim. 22"x16"x8")

OTHER ACCESSORIES:

AEROSOL INSTRUMENT LUBRICANT	9003-413
ALLEN WRENCH	9000-819
AUSTIN TEMPLATE 60°	901-006
CONSOLE POWER CORD (U.S. HOSP. GRADE)	9750-119
5' PNEUMATIC FOOTSWITCH EXTENSION HOSE W/ SCHRADER	9100-150
10' PNEUMATIC FOOTSWITCH EXTENSION HOSE W/ SCHRADER	9100-151
SILICONE OIL (FOR PNEUMATIC MOTORS)	9003-408
STERILIZATION CASE	9003-410
UAM® WHITE MOTOR CORD (REPLACEMENT)	9750-120
UAM® TO STRYKER® 277 SERIES PNEUMATIC MOTOR ADAPTER	9750-310
UAM® TO ZIMMER® PNEUMATIC MOTOR ADAPTER	9750-320

ACCESSORIES CROSS-REFERENCE

SAGITTAL SAW BLADES COMPATIBILITY REFERENCE

UAM®	ERGO®	BIOMET®	MICRO-AIRE®	ZIMMER®
900-100C	2046-305	505333	ZS-033	5053-233
900-101	2046-302	505338	ZS-038	5053-238
900-101C				5053-243
900-102	2046-308	505339	ZS-039	5053-239
900-103C				
900-104				
900-104C				
900-105				
900-106	2046-304	505332		
900-106C			ZS-032	5053-232
900-107		505341	ZS-041	5053-241
900-108		505342	ZS-042	5053-242
900-109		505330		
900-109C			ZS-030	5053-230
900-110C	2046-309			5053-240

OSCILLATING SAW BLADES COMPATIBILITY REFERENCE

UAM®	ERGO®	BIOMET®	MICRO-AIRE®	ZIMMER®
900-000	2038-001	505362	Z0-073	5053-262
900-001		505364	Z0-064	5053-264
900-002	2038-005	505373	Z0-073	5053-273
900-003				
900-003C				
900-004		505365		
900-004C		505363		
900-005	2038-002		Z0-063	5053-263
900-005C				
900-006			Z0-060	5053-260
900-006C				
900-007	2038-000		Z0-066	5053-266
900-008				
900-008C				

RECIPROCATING BLADES/RASPS/STERNUM BLADES COMPATIBILITY REFERENCE

BLADES UAM®	ERGO®	BIOMET®	MICRO-AIRE®	STRYKER®	ZIMMER®
900-050A					
900-050B	2004-512				
900-051	2004-023				
900-060		505320	ZR-120		5053-220
900-062R	2004-022		SR-007	1675-133	5053-126
900-070		505321	ZR-021		5053-221
900-072			SR-008	1675-12	

RASPS

UAM®	ERGO®	BIOMET®	MICRO-AIRE®	STRYKER®	ZIMMER®
900-800	2004-104			1675-125	
900-801	2004-107			1675-115	5053-80
900-802	2004-109			1675-114	5053-82
900-804	2004-114				
900-805	2004-105				
900-806	2004-110				
900-807	2004-106				
900-807-10					
900-808					
900-809					

REPLACEMENT STERNUM BLADES

UAM®	ERGO®	BIOMET®	MICRO-AIRE®	STRYKER®	ZIMMER®
900-5059-32			ZR-032		5059-032
900-87-100	SARNS® (6097)		SR-027	227-87-100	5059-233
900-97-100			SR-100	298-97-100	5059-235

ACCESSORIES CROSS-REFERENCE

SIDE CUTTING BURRS COMPATIBILITY REFERENCE

UAM®	ERGO®	BIOMET®	MICRO-AIRE®	STRYKER®	ZIMMER®
400-640-55					
400-642-55		509106		1608-2-101	
400-642-65		509206			5092-106
400-635-55	2912-102				
400-635-65	2912-202		ZB-192		
400-635-75					5092-114
400-646-70					
400-648-70					
400-500-70					

LINDEMANN DRILLS COMPATIBILITY REFERENCE

UAM®	ERGO®	MICRO-AIRE®	STRYKER®	ZIMMER®
400-633-55			1608-2-21	
400-634-70	2912-203		1608-2-43	5091-112
400-639-75		ZB-112		

SWANSON LEADER POINT DRILLS COMPATIBILITY REFERENCE

UAM®	ERGO®	BIOMET®	MICRO-AIRE®	STRYKER®	ZIMMER®
900-631-55	2909-101	509142	ZB-142	1608-2-131	5091-142
900-632-55	2909-102	509143	ZB-143	1608-2-133	5091-143
900-632-70			ZB-143		
900-633-55	2909-103	509144	ZB-144	1608-2-135	5091-144
900-633-70			ZB-144		

WIRE PASS DRILLS COMPATIBILITY REFERENCE

UAM®	ERGO®	BIOMET®	MICRO-AIRE®	STRYKER®	ZIMMER®
900-637		509147	ZB-147		5090-147
900-637N	2908-101			1608-2-63	
900-638		509148	ZB-148		5090-148
900-638N	2908-102			1608-2-59	
900-639		509149	ZB-149		5090-149
900-639N	2908-103			1608-2-61	

(N) INDICATES NOTCHED ONLY FOR STRYKER® 277 & 1600 SERIES ROTARIES
& ERGO®-STORZ®/ACUFEX® 750 SERIES ROTARIES

OVAL/EGG SHAPE BURRS COMPATIBILITY REFERENCE

UAM®	ERGO®	BIOMET®	MICRO-AIRE®	STRYKER®	ZIMMER®
900-627-55	2913-102	509136	ZB-136	1608-2-35	5091-136
900-627-70	2913-302	509236	ZB-236		5092-136
900-627-95		509236	ZB-336		5093-136
900-628-55		509338	ZB-138		5091-138
900-628-70		509238	ZB-238		5092-138
900-629-55	2913-203		ZB-338	1608-2-3	

ACCESSORIES CROSS-REFERENCE

ROUND OSTEOTOMY BURRS COMPATIBILITY REFERENCE

UAM®	ERGO®	BIOMET®	MICRO-AIRE®	STRYKER®	ZIMMER®
900-603-55	2911-204	509122	ZB-122	1608-2-7	5091-122
900-606-55	2911-205	509124	ZB-124		5091-124
900-609-55	2910-204	509125	ZB-125		5091-125
900-611-55		509126	ZB-126		5091-126
900-613-55(N)	2910-205			1608-6-149	
900-615-55	2910-206	509128	ZB-128	1608-6-151	5091-128
900-618-55	2910-207	509130	ZB-130	1608-6-153	
900-620-55(N)	2910-208			1608-6-141	
900-623-55	2910-209	509132	ZB-132	1608-6-143	5091-132
900-625-55(N)	2910-210			1608-6-145	
900-601-70		509220	ZB-220		5091-120
900-603-70		509222	ZB-222		5091-122
900-606-70		509224	ZB-224		5091-124
900-611-70		509226	ZB-226		5091-126
900-615-70		509228	ZB-228		5091-128
900-618-70		509230	ZB-230		5091-130
900-623-70		509232	ZB-232		5091-132

EXTRA LONG ROUND OSTEOTOMY BURRS COMPATIBILITY REFERENCE

UAM®	BIOMET®	MICRO-AIRE®	ZIMMER®
900-606-95	509324		
900-615-95	509328	ZB-328	5093-128
900-618-96	509330	ZB-330	5093-130

GENERAL INFORMATION ON BURR & DRILL COMPATIBILITY

- ALL UAM® ROTARY AND FIXATION HANDPIECE ACCESSORIES ARE COMPATIBLE WITH MOST SMALL BONE ROTARY HANDPIECES.
- WHEN ORDERING FOR ZIMMER®, MICRO-AIRE®, OR BIOMET®, COMPARE DIMENSIONS AND ORDER BY UAM® PRODUCT NUMBER.
- WHEN ORDERING FOR ERGO®-STORZ®/ACUFEX® 750 SERIES ROTARIES OR STRYKER® 277 & 1600 SERIES ROTARIES, COMPARE DIMENSIONS AND ORDER BY UAM® PRODUCT NUMBER, MAKING SURE TO PLACE AN "N" FOR J-NOTCHED ON THE END OF THE PRODUCT NUMBER. THIS WILL ASSURE THAT YOU WILL RECEIVE THE PROPER SHANK TYPE FOR THOSE HANDPIECES THAT REQUIRE A J-NOTCHED SHANK. EXAMPLE: PRODUCT NO. 900-637 BECOMES 900-637N
- ALL UAM® BURRS AND DRILLS ARE MADE FROM 440A OR 17-4 SURGICAL STAINLESS STEEL.

GENERAL INFORMATION

UNITED AMERICAN MEDICAL POWER SYSTEMS ARE GUARANTEED TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP UNDER NORMAL USE AND CARE, AND ARE WARRANTED FOR ONE YEAR (90 DAYS FOR AIR HOSES AND ELECTRIC CABLES) FROM DATE OF DELIVERY. ANY DISASSEMBLY, ALTERATIONS, OR REPAIRS PERFORMED BY PERSON(S) NOT SPECIFICALLY AUTHORIZED BY UAM, INC. WILL VOID THE ABOVE WARRANTIES. THE ABOVE WARRANTIES EXCLUDE NORMAL REPLACEMENT PARTS AND APPLY TO THE ORIGINAL BUYER, AND ARE IN LIEU OF ALL OTHER WARRANTIES EITHER EXPRESSED OR IMPLIED. THE REMEDY FOR DEFECTS IS REPAIR, REPLACEMENT, OR REFUND. ALL OTHER REMEDIES AND LIABILITY FROM ANY CAUSE FOR COST LOSSES, OR DAMAGES OF ANY KIND, INCLUDING CONSEQUENTIAL, ARE EXCLUDED. BEYOND WARRANTY, UAM® WILL SERVICE THE EQUIPMENT FOR REASONABLE REPAIR COSTS FOR AS LONG AS THE EQUIPMENT IS SERVICEABLE.

UNITED AMERICAN MEDICAL ACCESSORIES: 100% WARRANTY APPLIES TO WORKMANSHIP ON ALL UAM, INC. ACCESSORY PRODUCTS. UAM, INC. CANNOT BE HELD RESPONSIBLE FOR BREAKAGE DUE TO MISUSE OF ACCESSORIES OR ABNORMAL EXTENDED WEAR AND TEAR. (FEDERAL FDA STANDARDS FOR DISPOSABLE PRODUCTS INDICATE "ONE TIME" USE ONLY.)

ORDERS: PLEASE PLACE YOUR ORDERS THROUGH OUR CUSTOMER SERVICE DEPARTMENT BY CALLING 1-800-521-5002. YOU MAY ALSO ORDER BY FACSIMILE, CALL 1-615-473-2255. FOR MAIL ORDERS FORWARD TO UNITED AMERICAN MEDICAL CO., ATTN: CUSTOMER SERVICE DEPT., P.O. BOX 308, McMINNVILLE, TN 37110.

ORDERING TIME: PLACE YOUR ORDERS (MON.-FRI.) BETWEEN 8:00 am - 4:00 pm (CENTRAL TIME). ORDERS PAST 4:00 pm PLEASE USE OUR FAX LINE.

SHIPPING METHOD: (F.O.B McMINNVILLE, TN) OUR STANDARD SHIPPING METHOD IS FEDERAL EXPRESS ECONOMY® OR UPS® GROUND (available only in a limited area). UAM® ALSO PROVIDES FEDERAL EXPRESS® STANDARD AND OVERNITE PRIORITY SERVICES. ORDERS PLACED BEFORE 1:00 pm (CENTRAL TIME) WILL BE SHIPPED THAT SAME DAY. ORDERS PAST 1:00 pm THAT REQUIRE SAME DAY SHIPMENT WILL INCUR AN ADDITIONAL \$10.00 RUSH CHARGE.

NEW ACCOUNTS: NEW CUSTOMER MUST PAY IN ADVANCE, GIVE A HOSPITAL PURCHASE ORDER #, OR ACCEPT COD DELIVERY.

CREDIT CARDS ACCEPTED: VISA, MASTERCARD, AMERICAN EXPRESS & OPTIMA.

PRICES AND TERMS: UAM, INC. OFFERS A 2% DISCOUNT OFF OUR PUBLISHED LIST PRICE FOR CREDIT CARD, CHECK OR MONEY ORDER IN ADVANCE, COD, OR CASH ORDERS. ALL PRICES ARE SUBJECT TO CHANGE AT OUR DISCRETION AND WITHOUT NOTICE. UAM, INC. RESERVES THE RIGHT TO REFUSE ACCOUNTS PAST DUE. ACCOUNTS 30 DAYS PAST DUE ARE SUBJECT TO 1 1/2% MONTHLY INTEREST PENALTY (18% A.P.R.).

RENTAL/EVALUATION: CALL FOR INFORMATION.

LEASING: LEASING PROGRAMS ARE AVAILABLE ON A 6-MONTH, 9-MONTH, TWO YEAR OR THREE YEAR PLAN. CALL FOR MORE INFORMATION.

RETURNS: UAM, INC. REQUESTS THAT A RETURN GOODS AUTHORIZATION NUMBER BE OBTAINED BEFORE RETURNING MERCHANDISE FOR CREDIT. TO OBTAIN A RGA# CALL 1-800-521-5002. RETURNED PRODUCTS MUST ALWAYS BE ACCOMPANIED BY THE FOLLOWING: * COPY OF INVOICE/PACKING SLIP * REASON FOR RETURN IN WRITING, INDICATE DATE, INVOICE #, DATE OF PURCHASE, AND RGA#. A MINIMUM 10% HANDLING AND RESTOCKING CHARGE APPLIES TO ALL RETURNED ITEMS. ITEMS RETURNED AFTER 30 DAYS FROM INVOICE DATE ARE SUBJECT TO A 25% RESTOCKING CHARGE. CREDIT, IF ANY, WILL BE DETERMINED BY A QUALITY ASSURANCE INSPECTION. CREDIT WILL NOT BE GIVEN FOR ITEMS RETURNED IN NON-RESALABLE CONDITION. CREDIT FOR STERILE PACKAGED PRODUCTS IS GIVEN ONLY IF IN ORIGINAL UNOPENED PACKAGE. PLEASE NOTIFY UAM, INC. WITHIN 10 DAYS OF SHORT SHIPMENTS OR DAMAGED GOODS. (DO NOT ACCEPT SHIPMENT IF PARCEL IS DAMAGED; INSPECT ITEMS FIRST. IT IS YOUR RESPONSIBILITY TO MAKE CLAIM THROUGH THE CARRIER AND SUBMIT THE DAMAGE CLAIM AND REPORT TO UAM®.)

WARRANTY NOTICES AND DISCLAIMERS: IN ALL SALES, THE BUYER AND/OR USER ASSUMES THE RESPONSIBILITY FOR DETERMINING SUITABILITY FOR INSTRUMENT AND ACCESSORY APPLICATION. ALL RISK AND LIABILITY ASSOCIATED WITH USE OF THE PRODUCTS AND ABILITY TO USE THEM REST WITH THE BUYER/USER. THERE IS NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. NO ONE IS AUTHORIZED BY UAM, INC. TO MAKE ORAL WARRANTIES. UAM, INC. RESERVES THE RIGHT TO MAKE CHANGES WITHOUT NOTICE IN ITS PRODUCTS AND IN THE INFORMATION PUBLISHED ABOUT THE PRODUCTS. THE STATEMENTS AND INFORMATION IN THIS PUBLICATION ARE FOR GENERAL GUIDANCE AND ARE NOT WARRANTIES OR BINDING DESCRIPTIONS. ALL UAM® INSTRUMENTATION IS BACKED BY A ONE YEAR PARTS AND LABOR WARRANTY, EXCEPT FOR ALL ELECTRICAL CORDS AND PNEUMATIC HOSES WHICH CARRY ONLY A 90 DAY WARRANTY.

RECOMMENDATION: WEAR PROTECTIVE EYE COVERING WHENEVER OPERATING POWER INSTRUMENTS.

CAUTION: RECOMMENDED AO TWIST DRILL OPERATING RANGE IS 500-1,500 RPM's. DO NOT USE IN ROTARY HANDPIECES EXCEEDING 10,000 RPM.

UAM, INC. STANDARD TERMS AND CONDITIONS OF SALES, UNLESS MODIFIED IN WRITING AND SIGNED BY ITS REPRESENTATIVES, APPLY EXCLUSIVELY TO ALL ORDERS WRITTEN, TELEPHONED, OR FACSIMILED.

NOTE: UAM, INC. RECOGNIZES THE REGISTERED TRADEMARKS OF ZIMMER/HALL SURGICAL®, ACUFEX MICROSURGICAL®, OTOTOME®, ACUMED®, STORZ®, STRYKER CORPORATION®, ERGO®, BIOMET®, SARNS®, TRIAD MEDICAL, INC.®, AND PIN GUARD™. UAM, INC. IS NOT AFFILIATED WITH ZIMMER/HALL®, STRYKER®, OTOTOME®, ACUMED®, ERGO®, ACUFEX®, STORZ®, BIOMET®, SARNS®, TRIAD MEDICAL, INC.®, OR PIN GUARD™.

POWER

INSTRUMENTATION

for Small Bone Surgery
1-800-521-5002

PRICE LIST
EFFECTIVE JULY 1, 1993

UAM[®]

UNITED AMERICAN MEDICAL CO.

ELECTRIC POWER SET

1991-000

Ref. Catalog Page 3

PRODUCT NO.	DESCRIPTION	LIST PRICE
9750-104	CONSOLE	
9750-250R	MOTOR/CORD ASSEMBLY	1,450.00
9750-117	STANDARD FOOTSWITCH (Variable Speed)	1,725.00
9750-118	ROUND FOOTSWITCH (Variable Speed) [Optional]	500.00
9003-413	AEROSOL INSTRUMENT LUBRICANT	--
		10.00

TOTAL SET PRICE: 3,685.00

PNEUMATIC POWER SET

1991-001

Ref. Catalog Page 2

PRODUCT NO.	DESCRIPTION	LIST PRICE
9750-300	VANE MOTOR	
9100-100	10' (300cm) MOTOR HOSE	1,500.00
9100-175	REGULATOR with SCHRADER CONNECTOR	450.00
9100-200	PNEUMATIC FOOTSWITCH (Variable Speed)	295.00
9003-408	SILICONE OIL	775.00
		10.00

TOTAL SET PRICE: 3,030.00

SMALL BONE HANDPIECES

Ref. Cat. Pages 4, 6, 8, 10 & 14

PRODUCT NO.	DESCRIPTION	LIST PRICE
9750-050	UNIVERSAL FIXATION DRIVER	
9750-047	SAGITTAL SAW	3,600.00
9750-040A	RECIPROCATING SAW (2:1 New for '93)	2,095.00
9750-039	20° ANGLED OSCILLATING SAW	2,095.00
9750-038	OSCILLATING SAW	2,095.00
9750-021	AO FIXATION HANDPIECE	2,095.00
9750-020	STANDARD ROTARY	2,095.00

POWER SYSTEM ACCESSORIES

Ref. Cat. Pages 24 & 25

PRODUCT NO.	DESCRIPTION	LIST PRICE
901-008	UNIVERSAL MODULAR HANDLE	105.00
9003-022	OSTEON® BURR RACK	270.00
9003-410	STERILIZATION CASE	260.00
9003-409	INSTRUMENT CARRYING CASE	325.00
9750-120	WHITE MOTOR CORD 10' (300cm) UAM® Replacement	562.50
9750-119	CONSOLE POWER CORD (Hospital Grade/U.L.)	120.00
9000-819	ALLEN WRENCH 9/64" (3.57mm)	49.00
9003-200	BURR BRUSH (Stainless Steel)	39.00
901-006	AUSTIN 60° TEMPLATE	15.00
9003-413	AEROSOL INSTRUMENT LUBRICANT	10.00
9003-408	SILICONE OIL (for Pneumatic Motors)	10.00
9050-045	UNIVERSAL GUIDE COVER .045 (1.143mm) for 9750-050	149.00
9050-035	UNIVERSAL GUIDE COVER .035 (.889mm) for 9750-050	149.00
9050-028	UNIVERSAL GUIDE COVER .028 (.711mm) for 9750-050	149.00
9850-101	BURR GUARD (ERGO® Replacement)	125.00
SE750-116	MOTOR CORD 10' (300cm) for ERGO® 750 Series	195.00
9100-150	PNEUMATIC EXT. HOSE 5' (150cm) with SCHRADER	300.00
9100-151	PNEUMATIC EXT. HOSE 10' (300cm) with SCHRADER	315.00
9750-310	UAM® to STRYKER® 277 Series (Pne. Motor Adapt.)	1,500.00
9750-320	UAM® to ZIMMER® (Pneumatic Motor Adapter)	1,500.00

SAGITTAL SAW BLADES

Ref. Catalog Page 5

PRODUCT NO Cutting Width x Depth (mm) (NON-STERILE) Price ea. (STERILE BOX OF 5 EA.)

900-100C	14.0 x 41.0	14.75	11.75 x 5 = 58.75
900-101	9.5 x 25.5	14.75	11.75 58.75
900-101C	9.5 x 25.5	14.75	11.75 58.75
900-102	4.5 x 25.5	14.75	11.75 58.75
900-103C	14.0 x 32.0	14.75	11.75 58.75
900-104	9.5 x 16.0	14.75	11.75 58.75
900-104C	9.5 x 16.0	14.75	11.75 58.75
900-105	4.5 x 16.0	14.75	11.75 58.75
900-106	6.0 x 25.5	14.75	11.75 58.75
900-106C	6.0 x 25.5	14.75	11.75 58.75
900-107	6.0 x 34.0	14.75	11.75 58.75
900-108	4.5 x 34.0	14.75	11.75 58.75
900-109* WEIL	19.0 x 25.5	14.75	11.75 58.75
900-109C	19.0 x 25.5	14.75	11.75 58.75
900-110C	8.5 x 42.0	14.75	11.75 58.75

(*) SUGGESTED BY DR. LOWELL S. WEIL, DES PLAINES, IL

(C) INDICATES COARSE TOOTH BLADE

OSCILLATING SAW BLADES

Ref. Catalog Page 7

PRODUCT NO Cutting Width x Depth (mm) (NON-STERILE) Price ea. (STERILE BOX OF 5 EA.)

900-000	5.5 x 18.5	14.75	11.75 x 5 = 58.75
900-001	5.5 x 28.5	14.75	11.75 58.75
900-002	10.0 x 35.0	14.75	11.75 58.75
900-003	5.5 x 21.0	14.75	11.75 58.75
900-003C	5.5 x 21.0	14.75	11.75 58.75
900-004	10.0 x 27.0	14.75	11.75 58.75
900-004C	10.0 x 27.0	14.75	11.75 58.75
900-005	10.0 x 18.5	14.75	11.75 58.75
900-005C	10.0 x 18.5	14.75	11.75 58.75
900-006	5.5 x 14.0	14.75	11.75 58.75
900-006C	5.5 x 14.0	14.75	11.75 58.75
900-007	5.5 x 25.0	14.75	11.75 58.75
900-008	18.5 x 18.5	14.75	11.75 58.75
900-008C	18.5 x 18.5	14.75	11.75 58.75

(C) INDICATES COARSE TOOTH BLADE

RECIPROCATING BLADES

Ref. Catalog Page 9

PRODUCT NO Cutting Width x Depth (mm) (NON-STERILE) Price ea. (STERILE BOX OF 5 EA.)

900-050A* WHITE	10.0 x 2.0 (R)	44.00	37.00 x 5 = 185.00
900-050B* WHITE	11.0 x 2.0 (R)	35.00	29.00 145.00
900-051	25.0 x 2.5 (R)	44.00	37.00 185.00
900-060	25.0 (F)	14.75	11.75 58.75
900-062R	25.0 (R)	44.00	29.00 145.00
900-070	38.0 (F)	14.75	11.75 58.75
900-072	38.0 (R)	44.00	29.00 145.00

(*) SUGGESTED BY DR. DENNIS WHITE, AUBURN, CA

(F) INDICATES BLADE WITH FLAT SHANK • (R) INDICATES BLADE WITH ROUND SHANK

BLADES AVAILABLE NON-STERILE WHILE IN STOCK ONLY!

RASPS (NON-STERILE)

Ref. Catalog Page 9

PRODUCT NO.	Cutting Length x Width (mm)	Description	(NON-STERILE) Price ea
900-800	12 x 8	Cottle	75.00
900-801	9 x 5	Large straight tear	75.00
900-802	9 x 5	Large crosscut tear	75.00
900-804	12 x 8	Angled cottle	75.00
900-805	17 x 5	Narrow cottle	75.00
900-806	17 x 5	Narrow crosscut	75.00
900-807	17 x 3	Thin cottle	75.00
900-807-10	10 x 3	Thin cottle	75.00
900-808	18 x 8	Large coarse crosscut	75.00
900-809	18 x 8	Angled large crosscut	75.00

**STRYKER® REPLACEMENT
SAGITTAL BLADES**

Ref. Catalog Page 23

PRODUCT NO.	Cutting Width x Depth (mm)	(NON-STERILE) Price ea.	(STERILE BOX OF 5 EA.)
996-34-103	6.7 x 17.1	21.00	17.00 x 5 = 85.00
996-34-104	9.5 x 33.0	21.00	17.00 85.00
996-34-105	9.5 x 25.5	21.00	17.00 85.00
996-34-106	13.0 x 40.0	21.00	17.00 85.00

UAM® REPLACEMENT BLADES FOR STRYKER® 277 & 296 COMMAND I™ SERIES.

**STRYKER® REPLACEMENT
OSCILLATING BLADES**

Ref. Catalog Page 23

PRODUCT NO.	Cutting Width x Depth (mm)	(NON-STERILE) Price ea.	(STERILE BOX OF 5 EA.)
900-31-101	4.8 x 31.8	21.00	17.00 x 5 = 85.00
900-31-102	5.6 x 25.3	21.00	17.00 85.00
900-31-103	9.5 x 25.3	21.00	17.00 85.00
900-31-410	5.6 x 11.8	21.00	17.00 85.00
900-31-411	9.5 x 11.8	21.00	17.00 85.00
900-31-412	5.6 x 18.4	21.00	17.00 85.00
900-31-413	9.5 x 18.4	21.00	17.00 85.00
900-31-414	5.6 x 25.3	21.00	17.00 85.00

UAM® REPLACEMENT BLADES FOR STRYKER® 277 & 296 COMMAND I™ SERIES.

**ZIMMER®, SARNS® & REPLACEMENT
STRYKER® STERNUM BLADES**

Ref. Catalog Page 22

PRODUCT NO.	Description	(NON-STERILE) Price ea	(STERILE BOX OF 5 EA.)
900-5059-32	Zimmer® (5059-32)	18.00	15.20 x 5 = 76.00
900-87-100	Sarns® Replacement	13.00	11.00 55.00
900-87-100	Stryker® (277-87-100)	13.00	11.00 55.00
900-97-100	Stryker® (298-97-100)	13.00	11.00 55.00

BLADES AVAILABLE NON-STERILE WHILE IN STOCK ONLY!

SIDE CUTTING BURRS

Ref. Catalog Page 15

PRODUCT NO.	Dia. x Flute Length (mm)	(NON-STERILE) Price ea.	(STERILE BOX OF 5 EA.)
400-640-55*	2.0 x 5 Mini Jacobson	11.00	10.50 x 5 = 52.50
400-642-55	2.0 x 8 Short Shannon	11.00	10.50 52.50
400-642-65	2.0 x 8 Short Shannon	11.00	10.50 52.50
400-635-55	2.0 x 12 Shannon	11.00	10.50 52.50
400-635-65	2.0 x 12 Shannon	11.00	10.50 52.50
400-635-75	2.0 x 12 Shannon	11.00	10.50 52.50
400-646-70	2.9 x 20 Long Side Cutting	18.00	15.00 75.00
400-648-70	2.9 x 20 Helicoidal	18.00	15.00 75.00
400-500-70	5.0 x 15 Brophy	18.00	15.00 75.00

(*) SUGGESTED BY DR DAVE JACOBSON, LOS ANGELES, CA

**ROUND OSTEOTOMY
CUTTING BURRS**

Ref. Catalog Page 16

PRODUCT NO.	Dia. x Length (mm)	(NON-STERILE) Price ea.	(STERILE BOX OF 5 EA.)
900-603-55	1.5 x 55	26.00	22.50 x 5 = 112.50
900-606-55	2.0 x 55	26.00	22.50 112.50
900-609-55	2.5 x 55	26.00	22.50 112.50
900-611-55	3.0 x 55	26.00	22.50 112.50
900-613-55	3.2 x 55	26.00	22.50 112.50
900-615-55	4.0 x 55	26.00	22.50 112.50
900-618-55	5.0 x 55	26.00	22.50 112.50
900-620-55	5.5 x 55	26.00	22.50 112.50
900-623-55	6.5 x 55	26.00	22.50 112.50
900-625-55	7.1 x 55	26.00	22.50 112.50
900-601-70	1.0 x 70	26.00	22.50 112.50
900-603-70	1.5 x 70	26.00	22.50 112.50
900-606-70	2.0 x 70	26.00	22.50 112.50
900-611-70	3.0 x 70	26.00	22.50 112.50
900-615-70	4.0 x 70	26.00	22.50 112.50
900-618-70	5.0 x 70	26.00	22.50 112.50
900-623-70	6.5 x 70	26.00	22.50 112.50
900-606-95	2.0 x 95	26.00	22.50 112.50
900-615-95	4.0 x 90	26.00	22.50 112.50
900-618-95	5.0 x 90	26.00	22.50 112.50

OVAL/EGG SHAPE BURRS

Ref. Catalog Page 15

PRODUCT NO.	Dia. x Length (mm)	(NON-STERILE) Price ea.	(STERILE BOX OF 5 EA.)
900-627-55	4.0 x 55	28.00	25.00 x 5 = 125.00
900-627-70	4.0 x 70	28.00	25.00 125.00
900-627-95	4.0 x 95	28.00	25.00 125.00
900-628-55	5.5 x 55	28.00	25.00 125.00
900-628-70	5.5 x 70	28.00	25.00 125.00
900-629-55	6.0 x 55	28.00	25.00 125.00

WEDGE BURRS

Ref. Catalog Page 15

PRODUCT NO.	Dia. x Flute Length (mm)	(NON-STERILE) Price ea.	(STERILE BOX OF 5 EA.)
900-636-55	3.1 x 10	21.00	19.00 x 5 = 95.00
900-636-65	3.1 x 10	21.00	19.00 95.00
900-643-55	4.1 x 13	21.00	19.00 95.00
900-643-65	4.1 x 13	21.00	19.00 95.00

SPECIFY "-N" FOR J-NOTCHED SHANK

FOR STRYKER® 277 & 1600 Series Rotaries & ERGO®-STORZ®/ACUFEX® 750 Series Rotaries
BURRS AVAILABLE NON-STERILE WHILE IN STOCK ONLY!

AO TWIST DRILLS

Ref. Catalog Page 13 & 17

PRODUCT NO.	Dia. x Flute Length (mm)	(NON-STERILE) Price ea.	(STERILE BOX OF 5 EA.)
900-658	1.1 x 32	30.00	25.00 x 5 = 125.00
900-659	1.5 x 32	30.00	25.00 125.00
900-660	2.0 x 32	30.00	25.00 125.00
900-661	2.5 x 38	30.00	25.00 125.00
900-662	2.7 x 38	30.00	25.00 125.00
900-663	3.2 x 38	30.00	25.00 125.00
900-664	3.5 x 38	30.00	25.00 125.00
900-665	4.5 x 44	30.00	25.00 125.00

AO TWIST DRILLS (ONE STEP DRILLS™) with COUNTERSINK

Ref. Catalog Page 13 & 17

PRODUCT NO.	Dia. x Flute Length (mm)	(NON-STERILE) Price ea.	(STERILE BOX OF 5 EA.)
900-666C*	2.0/2.7 x 19 Overall Length 55mm	30.00	25.00 x 5 = 125.00
900-666C-65	2.0/2.7 x 19 Overall Length 65mm	30.00	25.00 125.00
900-666C-70	2.0/2.7 x 19 Overall Length 70mm	30.00	25.00 125.00

(*) SUGGESTED BY DR. LOWELL SCOTT WEIL, DES PLAINES, IL.

AO TWIST DRILLS (.062 SHANK)

Ref. Catalog Page 22

PRODUCT NO.	Dia. x Flute Length (mm)	(NON-STERILE) Price ea.	(STERILE BOX OF 5 EA.)
900-660-062	2.0 x 32	30.00	25.00 x 5 = 125.00
900-661-062	2.5 x 38	30.00	25.00 125.00
900-662-062	2.7 x 38	30.00	25.00 125.00

FOR ZIMMER®/HALL® Micro E Wiredriver (5040-04) & Wiredriver (5053-13)

WIRE PASS DRILLS

Ref. Catalog Page 13 & 17

PRODUCT NO.	Dia. x Flute Length (mm)	(NON-STERILE) Price ea.	(STERILE BOX OF 5 EA.)
900-637 ZIMMER®	1.0 x 46	30.00	25.00 x 5 = 125.00
900-637N	1.0 x 60	30.00	25.00 125.00
900-638 ZIMMER®	1.5 x 50	30.00	25.00 125.00
900-638N	1.5 x 64	30.00	25.00 125.00
900-639 ZIMMER®	2.0 x 50	30.00	25.00 125.00
900-639N	2.0 x 61	30.00	25.00 125.00

"N" FOR STRYKER® 277 & 1600 Series Rotaries & ERGO®-STORZ®/ACUFEX® 750 Series Rotaries

SWANSON LEADER POINT DRILLS

Ref. Catalog Page 13 & 17

PRODUCT NO.	Dia. x Length (mm)	(NON-STERILE) Price ea.	(STERILE BOX OF 5 EA.)
900-631-55	2.0 x 55	34.00	33.00 x 5 = 165.00
900-632-55	3.0 x 55	34.00	33.00 165.00
900-632-70	3.0 x 70	34.00	33.00 165.00
900-633-55	4.0 x 55	34.00	33.00 165.00
900-633-70	4.0 x 70	34.00	33.00 165.00

LINDEMANN DRILLS

Ref. Catalog Page 15

PRODUCT NO.	Dia. x Flute Length (mm)	(NON-STERILE) Price ea.	(STERILE BOX OF 5 EA.)
400-633-55	2.3 x 12	34.00	33.00 x 5 = 165.00
400-634-70	2.3 x 24	34.00	33.00 165.00
400-639-75	2.3 x 35	34.00	33.00 165.00

SPECIFY "-N" FOR J-NOTCHED SHANK

FOR STRYKER® 277 & 1600 Series Rotaries & ERGO®-STORZ®/ACUFEX® 750 Series Rotaries
DRILLS AVAILABLE NON-STERILE WHILE IN STOCK ONLY!

STERILE K-WIRES with PIN GUARDS™

Ref. Catalog Page 11

PRODUCT NO.	Dia. x Length	Inches / (mm)		(STERILE BOX OF 5 ENV.)
900-03512	.035 (.889)	x 9" (228.6)	Double trocar	4.95 x 5 = 24.75
900-04512	.045 (1.143)	x 9" (228.6)	Double trocar	4.95 24.75
900-06212	.062 (1.651)	x 9" (228.6)	Double trocar	4.95 24.75
900-03514	.035 (.889)	x 6" (152.4)	Double trocar	4.95 24.75
900-04514	.045 (1.143)	x 6" (152.4)	Double trocar	4.95 24.75
900-06214	.062 (1.651)	x 6" (152.4)	Double trocar	4.95 24.75
900-02813	.028 (.711)	x 4" (101.6)	Double trocar	4.95 24.75
900-03513	.035 (.889)	x 4" (101.6)	Double trocar	4.95 24.75
900-04513	.045 (1.143)	x 4" (101.6)	Double trocar	4.95 24.75
900-06213	.062 (1.651)	x 4" (101.6)	Double trocar	4.95 24.75

STERILE THREADED K-WIRES with PIN GUARDS™

Ref. Catalog Page 11

PRODUCT NO.	Dia. x Length	Inches / (mm)		(STERILE BOX OF 5 ENV.)
900-06215	.062 (1.651)	x 6" (152.4)	Double trocar	19.80 x 5 = 99.00

STERILE PIN GUARDS™

Ref. Catalog Page 11

PRODUCT NO.	Dia.	Inches / (mm)	Color Code	(STERILE BOX OF 5 ENV.)
900-028	.028 (.711)		Yellow	4.95 x 5 = 24.75
900-035	.035 (.889)		Blue	4.95 24.75
900-045	.045 (1.143)		White	4.95 24.75
900-062	.062 (1.651)		Green	4.95 24.75

4 PIN GUARDS™ PER STERILE ENVELOPE; 5 ENVELOPES PER BOX.

NON-STERILE K-WIRES

Ref. Catalog Page 12

PRODUCT NO.	Dia. x Length	Inches / (mm)	(NON-STERILE) TUBE OF 12	
901-020	.035 (.889)	x 9" (228.6) Double trocar	3.25 x 12 =	39.00
901-021	.045 (1.143)	x 9" (228.6) Double trocar	3.25	39.00
901-022	.054 (1.401)	x 9" (228.6) Double trocar	3.25	39.00
901-023	.062 (1.651)	x 9" (228.6) Double trocar	3.25	39.00
901-0206	.035 (.889)	x 6" (152.4) Double trocar	3.25	39.00
901-0216	.045 (1.143)	x 6" (152.4) Double trocar	3.25	39.00
901-0236	.062 (1.651)	x 6" (152.4) Double trocar	3.25	39.00
901-0194	.028 (.711)	x 4" (101.6) Double trocar	3.25	39.00
901-0204	.035 (.889)	x 4" (101.6) Double trocar	3.25	39.00
901-0214	.045 (1.143)	x 4" (101.6) Double trocar	3.25	39.00
901-0234	.062 (1.651)	x 4" (101.6) Double trocar	3.25	39.00

NON-STERILE THREADED K-WIRE

Ref. Catalog Page 12

PRODUCT NO.	Dia. x Length	Inches / (mm)	(NON-STERILE) TUBE of 6	
901-0621	.062 (1.651)	x 6" (152.4) Double trocar	14.75 x 6 =	88.50

NON-STERILE STEINMAN PINS

Ref. Catalog Page 12

PRODUCT NO.	Dia. x Length	Inches / (mm)	(NON-STERILE) TUBE of 6	
901-078	.078 (2.0)	x 9" (228.6) Double trocar	3.70 x 6 =	22.20
901-093	.093 (2.4)	x 9" (228.6) Double trocar	4.35	26.10
901-125	.125 (3.2)	x 9" (228.6) Double trocar	6.75	40.50

NON-STERILE PIN GUARDS™

Ref. Catalog Page 12

PRODUCT NO.	Dia.	Inches / (mm)	Color Code	(NON-STERILE) BULK 50 Pcs	
900-028-NS	.028 (.711)		Yellow	.25 x 50 =	12.50
900-035-NS	.035 (.889)		Blue	.25	12.50
900-045-NS	.045 (1.143)		White	.25	12.50
900-062-NS	.062 (1.651)		Green	.25	12.50

WARNING: DO NOT STEAM AUTOCLAVE

OSTEON™ ADAPTER SET

1993-166

Ref. Catalog Page 18

PRODUCT NO	DESCRIPTION	LIST PRICE
166-000	OSTEON™ ADAPTER (3 Each)	695.00 x 3 = 2,085.00
166-050	ADAPTER CRADLE (1 Each)	349.00
9003-022	OSTEON™ BURR RACK (1 Each)	270.00
9003-200	BURR BRUSH (1 Each)	39.00

LIST PRICE: 2,743.00

SPECIAL SET DISCOUNT: < 748.00 >

TOTAL SET PRICE: 1,995.00

SPECIAL QUANTITY PRICING

10 - 21	OSTEON™ ADAPTERS	\$495.00 ea.
22 - 31	OSTEON™ ADAPTERS	\$395.00 ea.
32 +	OSTEON™ ADAPTERS	\$349.00 ea.

OSTEON™ ADAPTER

ROUND CUTTING BURRS

Ref. Catalog Page 21

PRODUCT NO.	Dia. x Working Distance (mm)	(NON-STERILE) Price ea.	(STERILE BOX OF 5 EA.)
900-773	0.8 x 21 Short burr	30.00	25.00 x 5 = 125.00
900-774	1.0 x 21 Short burr	30.00	25.00 125.00
900-777	1.5 x 21 Short burr	30.00	25.00 125.00
900-778	2.0 x 21 Short burr	30.00	25.00 125.00
900-779	2.5 x 21 Short burr	30.00	25.00 125.00
900-716	3.0 x 21 Short burr	30.00	25.00 125.00
900-719	4.0 x 21 Short burr	30.00	25.00 125.00
900-718	5.0 x 21 Short burr	30.00	25.00 125.00
900-717	6.5 x 21 Short burr	30.00	25.00 125.00
900-728	3.0 x 28 Medium burr	30.00	25.00 125.00
900-727	4.0 x 28 Medium burr	30.00	25.00 125.00
900-726	5.0 x 28 Medium burr	30.00	25.00 125.00
900-725	6.5 x 28 Medium burr	30.00	25.00 125.00
900-766	0.5 x 39 Long burr	30.00	25.00 125.00
900-765	0.8 x 39 Long burr	30.00	25.00 125.00
900-764	1.0 x 39 Long burr	30.00	25.00 125.00
900-740	1.5 x 39 Long burr	30.00	25.00 125.00
900-742	2.0 x 39 Long burr	30.00	25.00 125.00
900-749	2.5 x 39 Long burr	30.00	25.00 125.00
900-746	3.0 x 39 Long burr	30.00	25.00 125.00
900-745	4.0 x 39 Long burr	30.00	25.00 125.00
900-744	5.0 x 39 Long burr	30.00	25.00 125.00

CROSS-REFERENCED TO SHORT=30mm, MEDIUM=38mm, & LONG=48mm ZIMMER® BURRS

OSTEON™ ADAPTER

WIRE PASS DRILLS

Ref. Catalog Page 20

PRODUCT NO	Dia. x Working Distance (mm)	(NON-STERILE) Price ea	(STERILE BOX OF 5 EA.)
900-784	1.0 x 24.5	35.00	29.00 x 5 = 145.00
900-785	1.5 x 24.5	35.00	29.00 145.00
900-786	2.0 x 24.5	35.00	29.00 145.00

CROSS-REFERENCED TO 38mm ZIMMER® WIRE PASS DRILLS
Flute Length=8mm • Head Penetration=19mm

OSTEON™ ADAPTER ROUND DIAMOND BURRS

Ref. Catalog Page 19

PRODUCT NO. Dia. x Working Distance (mm) GRIT (NON-STERILE) Price ea. (STERILE BOX OF 5 EA.)

900-768	4.0 x 21	120	60.00	49.00 x 5 = 245.00
900-748	4.0 x 28	60	60.00	49.00 245.00
900-747	5.0 x 28	60	60.00	49.00 245.00
900-767	6.0 x 28	160	60.00	49.00 245.00
900-761	0.5 x 39	200	60.00	49.00 245.00
900-760	0.8 x 39	200	60.00	49.00 245.00
900-758	1.0 x 39	200	60.00	49.00 245.00
900-763	1.5 x 39	150	60.00	49.00 245.00
900-762	2.0 x 39	150	60.00	49.00 245.00
900-759	3.0 x 39	150	60.00	49.00 245.00
900-752	4.0 x 39	120	60.00	49.00 245.00
900-750	5.0 x 39	120	60.00	49.00 245.00

CROSS-REFERENCED TO SHORT=30mm, MEDIUM=38mm, & LONG=48mm ZIMMER® BURRS

OSTEON™ ADAPTER DIAMOND DERMABRADER BURRS

Ref. Catalog Page 20

PRODUCT NO. Head Dia. x Length (mm) GRIT (NON-STERILE) Price ea. (STERILE BOX OF 5 EA.)

900-780	4.0 x 15.0	80	60.00	59.00 x 5 = 295.00
900-781	7.0 x 15.0	80	60.00	59.00 295.00
900-782	12.0 x 15.0	80	64.00	63.00 315.00
900-783	1.0-10 x 15.0	80	64.00	63.00 315.00

CROSS-REFERENCED TO ZIMMER® DERMABRADER 30mm BURRS • WORKING DISTANCE=21mm

United American Medical (UAM®) burr products are recommended for use with the Osteon™ Adapter, but most brand name burrs will fit the Osteon™ Adapter. If you have burr inventory that you would like to convert, UAM® will cut to length the shanks of your burr inventory for a cost of \$2.50 per piece (10 PIECE MINIMUM). This will allow for proper working length.

GENERAL INFORMATION

UNITED AMERICAN MEDICAL POWER SYSTEMS ARE GUARANTEED TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP UNDER NORMAL USE AND CARE, AND ARE WARRANTED FOR ONE YEAR (90 DAYS FOR AIR HOSES AND ELECTRIC CABLES) FROM DATE OF DELIVERY. ANY DISASSEMBLY, ALTERATIONS, OR REPAIRS PERFORMED BY PERSON(S) NOT SPECIFICALLY AUTHORIZED BY UAM, INC. WILL VOID THE ABOVE WARRANTIES. THE ABOVE WARRANTIES EXCLUDE NORMAL REPLACEMENT PARTS AND APPLY TO THE ORIGINAL BUYER, AND ARE IN LIEU OF ALL OTHER WARRANTIES EITHER EXPRESSED OR IMPLIED. THE REMEDY FOR DEFECTS IS REPAIR, REPLACEMENT, OR REFUND. ALL OTHER REMEDIES AND LIABILITY FROM ANY CAUSE FOR COST LOSSES, OR DAMAGES OF ANY KIND, INCLUDING CONSEQUENTIAL, ARE EXCLUDED. BEYOND WARRANTY, UAM® WILL SERVICE THE EQUIPMENT FOR REASONABLE REPAIR COSTS FOR AS LONG AS THE EQUIPMENT IS SERVICEABLE.

UNITED AMERICAN MEDICAL ACCESSORIES: 100% WARRANTY APPLIES TO WORKMANSHIP ON ALL UAM, INC. ACCESSORY PRODUCTS. UAM, INC. CANNOT BE HELD RESPONSIBLE FOR BREAKAGE DUE TO MISUSE OF ACCESSORIES OR ABNORMAL EXTENDED WEAR AND TEAR. (FEDERAL FDA STANDARDS FOR DISPOSABLE PRODUCTS INDICATE "ONE TIME" USE ONLY.)

ORDERS: PLEASE PLACE YOUR ORDERS THROUGH OUR CUSTOMER SERVICE DEPARTMENT BY CALLING 1-800-521-5002. YOU MAY ALSO ORDER BY FACSIMILE, CALL 1-615-473-2255. FOR MAIL ORDERS FORWARD TO UNITED AMERICAN MEDICAL CO., ATTN: CUSTOMER SERVICE DEPT., P.O. BOX 308, McMINNVILLE, TN 37110.

ORDERING TIME: PLACE YOUR ORDERS (MON.-FRI.) BETWEEN 8:00 am - 4:00 pm (CENTRAL TIME). ORDERS PAST 4:00 pm PLEASE USE OUR FAX LINE.

SHIPPING METHOD: (F.O.B McMINNVILLE, TN) OUR STANDARD SHIPPING METHOD IS FEDERAL EXPRESS ECONOMY® OR UPS® GROUND (available only in a limited area). UAM® ALSO PROVIDES FEDERAL EXPRESS® STANDARD AND OVERNITE PRIORITY SERVICES. ORDERS PLACED BEFORE 1:00 pm (CENTRAL TIME) WILL BE SHIPPED THAT SAME DAY. ORDERS PAST 1:00 pm THAT REQUIRE SAME DAY SHIPMENT WILL INCUR AN ADDITIONAL \$10.00 RUSH CHARGE.

NEW ACCOUNTS: NEW CUSTOMER MUST PAY IN ADVANCE, GIVE A HOSPITAL PURCHASE ORDER #, OR ACCEPT COD DELIVERY.

CREDIT CARDS ACCEPTED: VISA, MASTERCARD, AMERICAN EXPRESS & OPTIMA.

PRICES AND TERMS: UAM, INC. OFFERS A 2% DISCOUNT OFF OUR PUBLISHED LIST PRICE FOR CREDIT CARD, CHECK OR MONEY ORDER IN ADVANCE, COD, OR CASH ORDERS. ALL PRICES ARE SUBJECT TO CHANGE AT OUR DISCRETION AND WITHOUT NOTICE. UAM, INC. RESERVES THE RIGHT TO REFUSE ACCOUNTS PAST DUE. ACCOUNTS 30 DAYS PAST DUE ARE SUBJECT TO 1 1/2% MONTHLY INTEREST PENALTY (18% A.P.R.).

RENTAL/EVALUATION: CALL FOR INFORMATION.

LEASING: LEASING PROGRAMS ARE AVAILABLE ON A 6-MONTH, 9-MONTH, TWO YEAR OR THREE YEAR PLAN. CALL FOR MORE INFORMATION.

RETURNS: UAM, INC. REQUESTS THAT A RETURN GOODS AUTHORIZATION NUMBER BE OBTAINED BEFORE RETURNING MERCHANDISE FOR CREDIT. TO OBTAIN A RGA# CALL 1-800-521-5002. RETURNED PRODUCTS MUST ALWAYS BE ACCOMPANIED BY THE FOLLOWING: * COPY OF INVOICE/PACKING SLIP * REASON FOR RETURN IN WRITING, INDICATE DATE, INVOICE #, DATE OF PURCHASE, AND RGA#. A MINIMUM 10% HANDLING AND RESTOCKING CHARGE APPLIES TO ALL RETURNED ITEMS. ITEMS RETURNED AFTER 30 DAYS FROM INVOICE DATE ARE SUBJECT TO A 25% RESTOCKING CHARGE. CREDIT, IF ANY, WILL BE DETERMINED BY A QUALITY ASSURANCE INSPECTION. CREDIT WILL NOT BE GIVEN FOR ITEMS RETURNED IN NON-RESALABLE CONDITION. CREDIT FOR STERILE PACKAGED PRODUCTS IS GIVEN ONLY IF IN ORIGINAL UNOPENED PACKAGE. PLEASE NOTIFY UAM, INC. WITHIN 10 DAYS OF SHORT SHIPMENTS OR DAMAGED GOODS. (DO NOT ACCEPT SHIPMENT IF PARCEL IS DAMAGED; INSPECT ITEMS FIRST. IT IS YOUR RESPONSIBILITY TO MAKE CLAIM THROUGH THE CARRIER AND SUBMIT THE DAMAGE CLAIM AND REPORT TO UAM®.)

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RECOMMENDATION: WEAR PROTECTIVE EYE COVERING WHENEVER OPERATING POWER INSTRUMENTS.

CAUTION: RECOMMENDED AO TWIST DRILL OPERATING RANGE IS 500-1,500 RPM's. DO NOT USE IN ROTARY HANDPIECES EXCEEDING 10,000 RPM.

UAM, INC. STANDARD TERMS AND CONDITIONS OF SALES, UNLESS MODIFIED IN WRITING AND SIGNED BY ITS REPRESENTATIVES, APPLY EXCLUSIVELY TO ALL ORDERS WRITTEN, TELEPHONED, OR FACSIMILED.

NOTE: UAM, INC. RECOGNIZES THE REGISTERED TRADEMARKS OF ZIMMER/HALL SURGICAL®, ACUFEX MICROSURGICAL®, OTOTOME®, ACUMED®, STORZ®, STRYKER CORPORATION®, ERGO®, BIOMET®, SARNS®, TRIAD MEDICAL, INC.®, AND PIN GUARD™. UAM, INC. IS NOT AFFILIATED WITH ZIMMER/HALL®, STRYKER®, OTOTOME®, ACUMED®, ERGO®, ACUFEX®, STORZ®, BIOMET®, SARNS®, TRIAD MEDICAL, INC.®, OR PIN GUARD™.

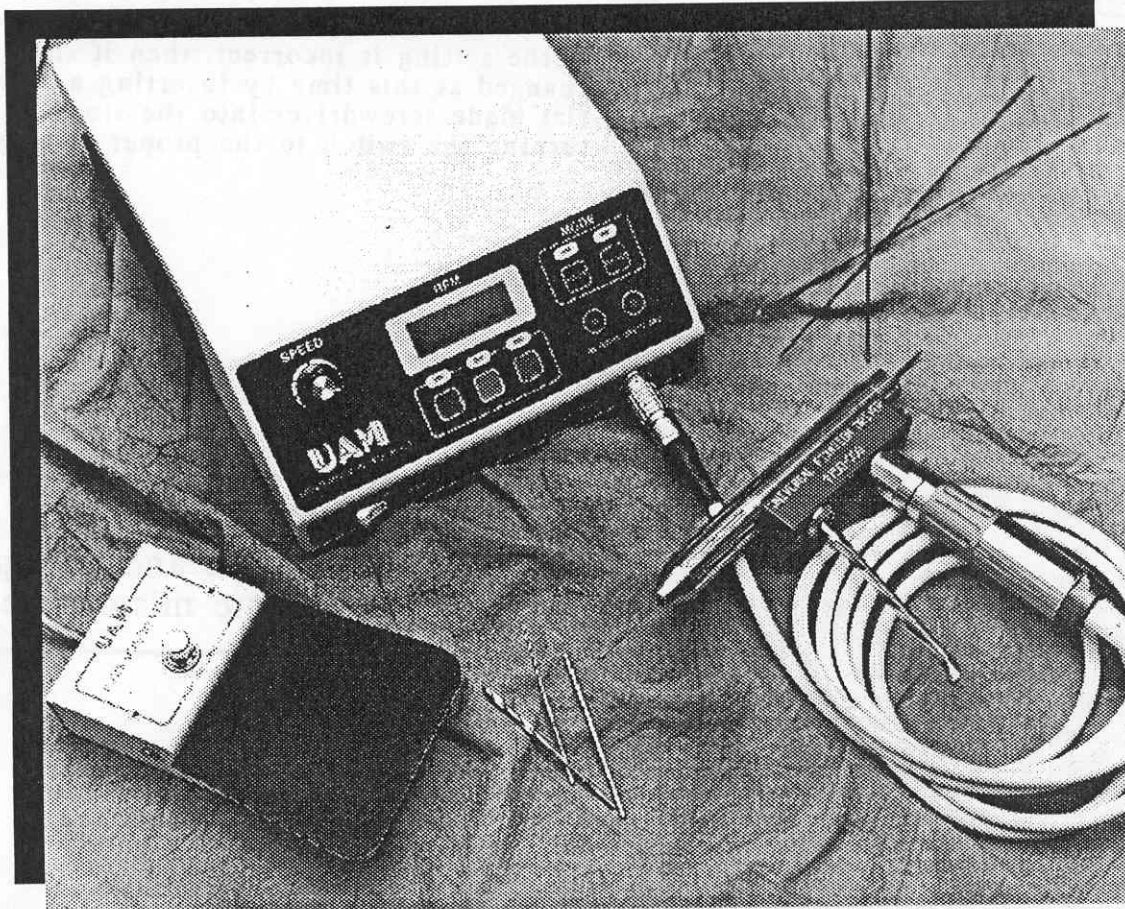
THIS PRICE LIST, EFFECTIVE JULY 1st 1993, REFLECTS CURRENT PRICES AND SUPERSEDES ANY AND ALL PREVIOUS CATALOGS, PRICE LISTS, ADVERTISEMENTS AND OTHER LISTINGS OF UAM® INSTRUMENTS AND ACCESSORIES.

CAUTION
SALES REPRESENTATIVE:

CUSTOMER SERVICE: 1-800-521-5002
MAIN OFFICE: 1-615-473-8116 ♦ FAX: 1-615-473-2255
UNITED AMERICAN MEDICAL CO., INC ♦ 216 E. MAIN ST. ♦ P.O. BOX 308 ♦ McMINNVILLE, TN 37110

UAM[®]

INSTRUCTION MANUAL



United American Medical Co., Inc. is dedicated to manufacturing the highest quality products that technology can provide, along with the best service possible to its customers. We feel that this Instruction Manual will provide the user with the necessary knowledge to operate UAM power instruments to their full potential as well as properly care for the equipment. However, if there should be any subject in which we have failed to address, or if you have suggestions on improving this manual, please feel free to call or write to us.

United American Medical Co., Inc.
P.O. Box 308
216 East Main St.
McMinnville, TN 37110

U.S.A. 1-800-521-5002
International (615)-473-8116

VOLTAGE SETTING

SECT. I:
A-1

● UNITED STATES SETTING

The UAM Electronic Console is preset for 120 volts. After unpacking the console and prior to turning it "ON", check to be sure the Voltage Selector switch, (Feature No. 13) located on the electrical input panel at the rear of the unit, is properly set at the 120v setting.

If the setting is incorrect, then it should be changed at this time by inserting a small flat blade screwdriver into the slot and gently turning the switch to the proper setting.

CAUTION:

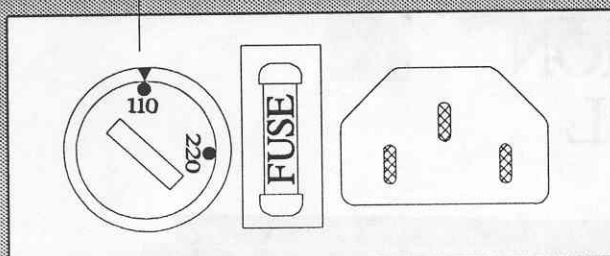
Do not allow fuse and voltage setting to become mismatched.

● INTERNATIONAL SETTING

The UAM Electronic Console is preset for 240 volts. After unpacking the console and prior to turning it "ON", check to be sure the Voltage Selector switch, (Feature No. 13) located on the electrical input panel at the rear of the unit, is properly set at the 240v setting.

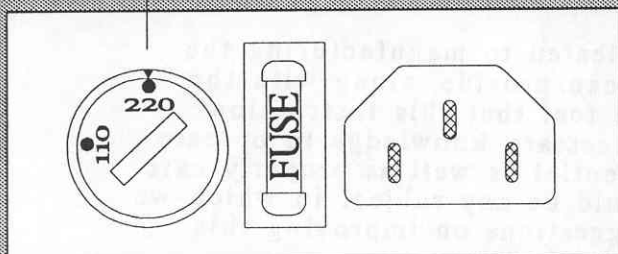
If the setting is incorrect, then it should be changed at this time by inserting a small flat blade screwdriver into the slot and gently turning the switch to the proper setting.

13



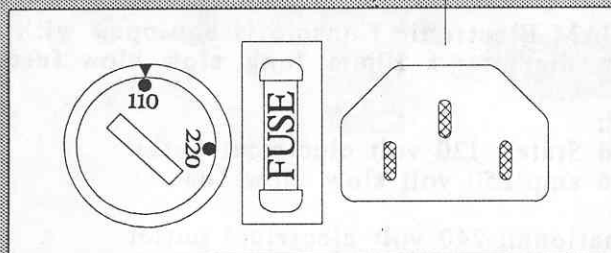
ELECTRICAL INPUT PANEL

13

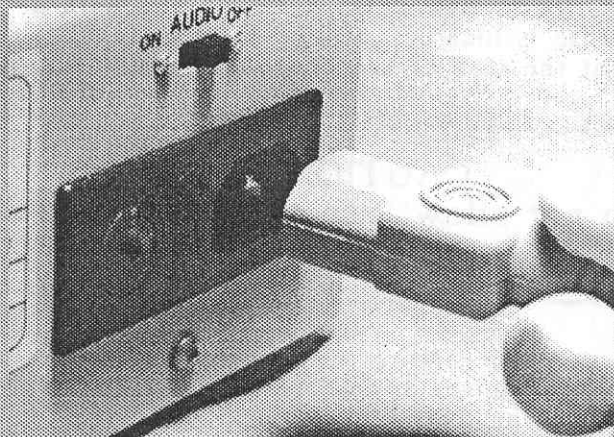


ELECTRICAL INPUT PANEL

15



ELECTRICAL INPUT PANEL

**POWER CORD**SECT. I:
A-3

The power cord is 10 foot (3 meters) long, and is detachable from the rear of the console at the Electrical Input Panel. The cord has 2 distinctly different plugs, one at each end. The female console plug (pic. at left) and the male wall outlet plug. A U.L. hospital grade 120 volt male wall plug will come with all consoles for U.S.A. usage. International consoles requiring 240 volt power will be provided with the appropriate power cord to meet the standards of that country.

The female console plug is shaped to fit the male electrical input receptical (Feature No. 15) located at the rear of the console. Should it become necessary to replace the console's fuse, the power cord will have to be removed first in order to gain access to the fuse holder.

SAFETY PRECAUTIONSSECT. I:
A-4

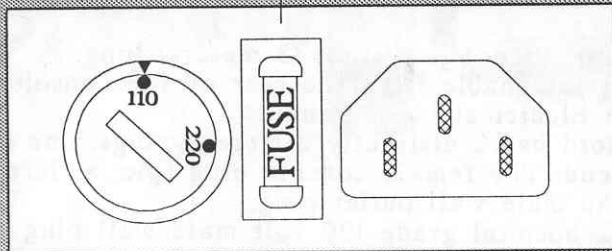
- DO NOT STERILIZE CONSOLE.
- Do not plug 240 volt power cord into a 240 line voltage if the Voltage Selector switch is set at 120 volts. The fuse will blow to protect the internal circuit board, however, damage could still result to the circuit board and power transformer. Always make sure that the fuse, voltage setting and power cord are properly matched before plugging power cord into wall outlet.
- Improper fuse replacement could cause severe damage to the internal circuit board.
- DO NOT OPEN THE CONSOLE.
If unit needs servicing, send it to the UAM Service Center. Refer to maintenance section for more details.
- Do not use in the presence of Pace Makers.
- Do not use in the presence of high powered electro-surgical units. They may interfere with the performance of the UAM Console.

WARNING

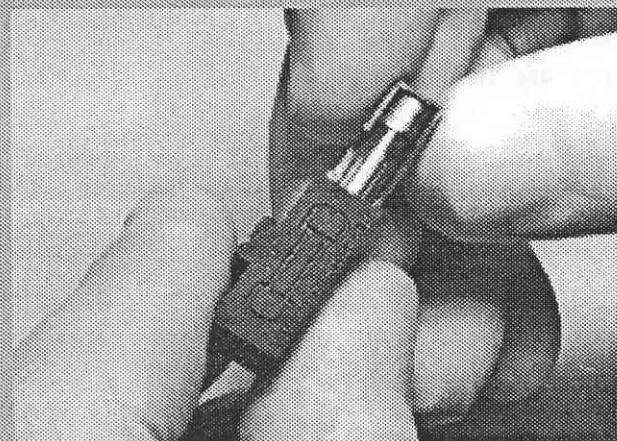
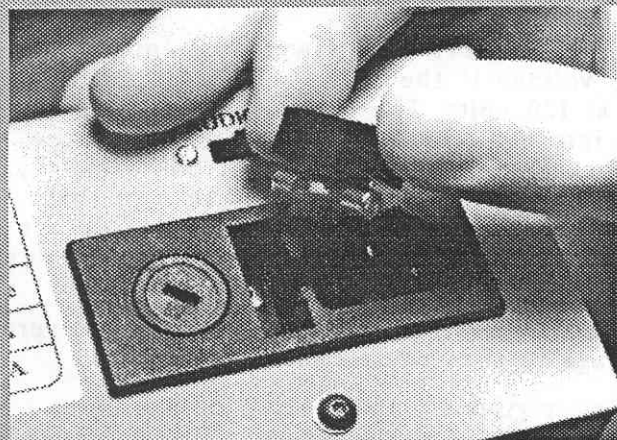
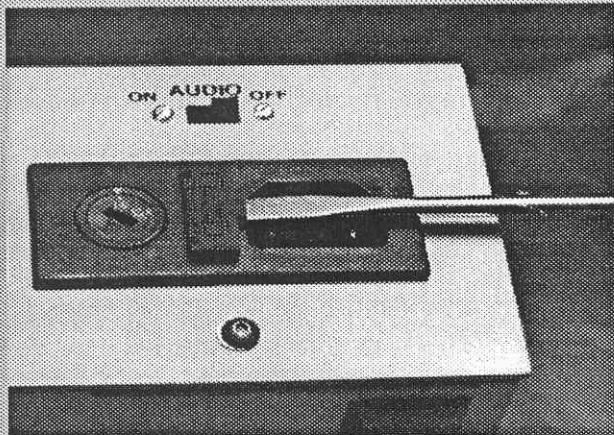
NEVER IMMERSE IN ANY LIQUID IN ORDER TO
COOL, STERILIZE, OR CLEAN.

NEVER IMMERSE IN ULTRASONIC CLEANER.

14



ELECTRICAL INPUT PANEL



FUSE REPLACEMENT

SECT. I:
A-2

The UAM Electronic Console is equipped with a 5mm. diameter x 20mm. long, slow blow fuse.

NOTE:

United States: 120 volt electrical outlet use 1.6 amp/250 volt slow blow fuse.

International: 240 volt electrical outlet use 0.8 amp/250 volt slow blow fuse.

The purpose of the fuse is to protect the internal circuitry from electrical power surges and overloads. The working fuse along with a spare fuse is located in the electrical input panel at the rear of the console (Feature No. 14).

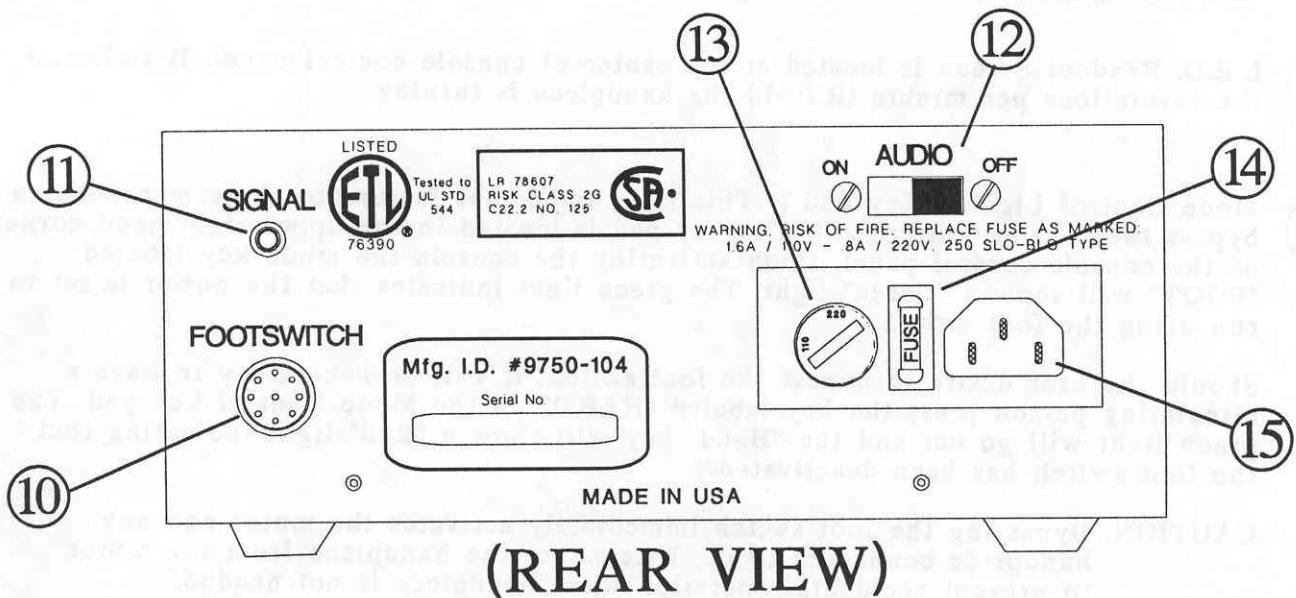
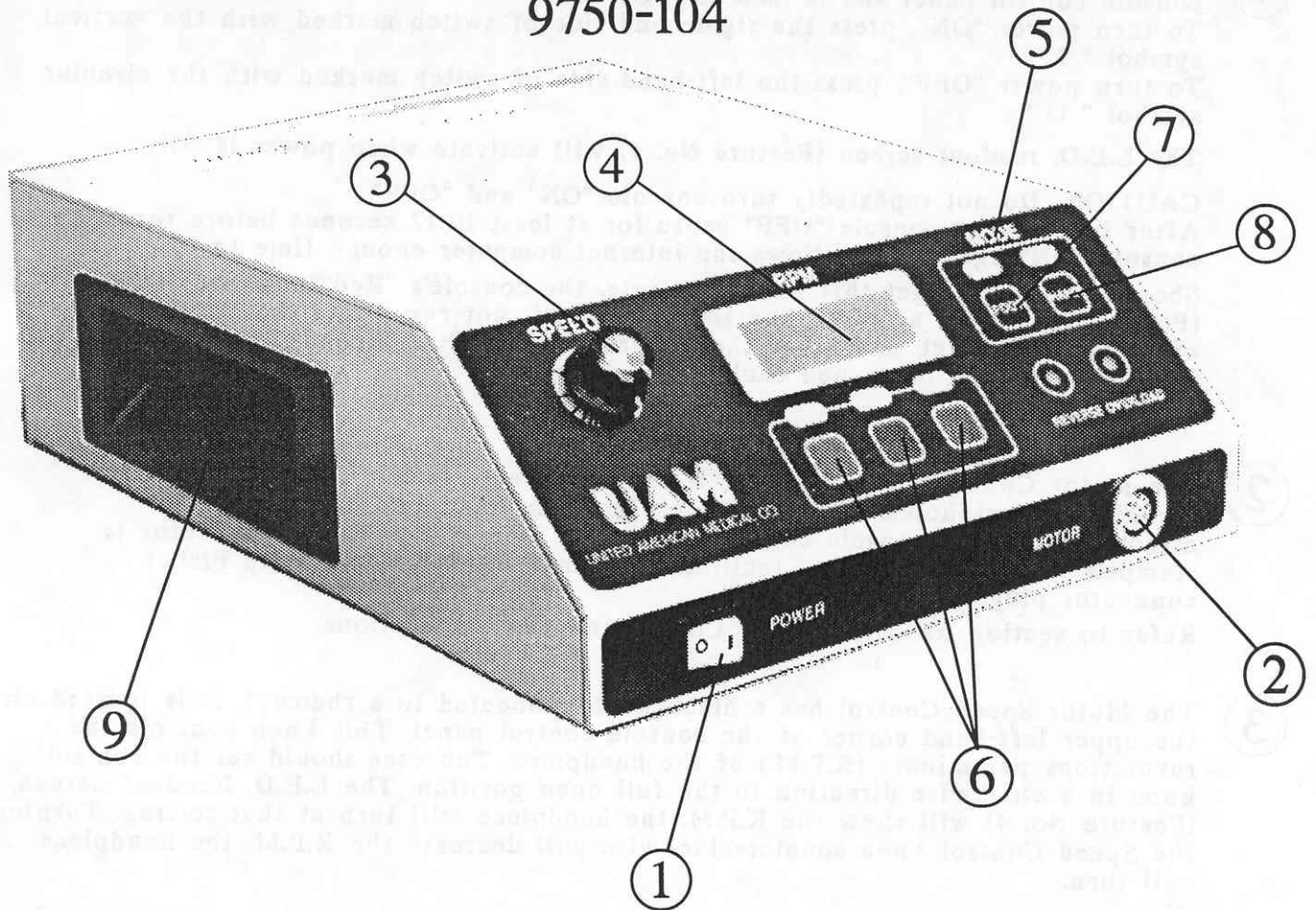
CAUTION:

Do not allow fuse and voltage setting to become mismatched.

1. To check or remove the working fuse, use a small flat blade screwdriver to unseat the fuse holder. This is done by placing the blade of the screwdriver in the slot located on the side of the fuse holder. (The power cord must be removed beforehand in order to gain access to this slot.)
2. With the fingers gently lift the fuse holder out of the electrical input panel.
3. The working fuse is attached to the end of the fuse holder. The spare fuse is located inside the rectangular box portion of the fuse holder. To remove the spare fuse from its compartment, simply press against either end of the box, and the spare fuse will slide out.
4. Remove blown fuse and replace it with the spare fuse or another new, identical fuse of the same volt & amp rating.
5. Return fuse holder to the electrical input panel by gently pressing it into place.

UAM[®]

ELECTRONIC CONSOLE 9750-104



BEFORE TURNING POWER "ON", READ SECTION I:A-2.

- ① The "ON/OFF" switch is located in the lower left-hand corner, directly below the console control panel and is labeled "POWER".
To turn power "ON", press the right-hand side of switch marked with the vertical symbol " I ".
To turn power "OFF", press the left-hand side of switch marked with the circular symbol " O ".

The L.E.D. readout screen (Feature No. 4) will activate when power is "ON".

CAUTION: Do not repeatedly turn console "ON" and "OFF".

After turning the console "OFF" pause for at least 10-12 seconds before turning console "ON" again. This allows the internal computer enough time to reset.

Should the user forget this important rule, the console's "Red" overload light (Feature No.7) will activate, and the system will not run. Press the "OFF" side of the power switch and allow the system the full 10-12 seconds to reset. Console may then be turned back "ON".

- ② The Motor Connection Receptacle is comprised of a female Fisher connector containing 11 pinholes. It is located on the right-hand side of the console, directly below the console control panel. The face of the Fisher connector is stamped with a "Red" dot to facilitate alignment of the 11-pin male Fisher connector plug on the motor cord.

Refer to section 1:B-2 for Motor Cord connection instructions.

- ③ The Motor Speed Control has a black knob connected to a rheostat. It is located on the upper left-hand corner of the console control panel. This knob controls the revolutions per minute (R.P.M.) of the handpiece. The user should set the control knob in a clockwise direction to the full open position. The L.E.D. Readout Screen (Feature No. 4) will show the R.P.M. the handpiece will turn at that setting. Turning the Speed Control knob counter-clockwise will decrease the R.P.M. the handpiece will turn.

Most cases require setting the Speed Control knob at full power for operating all UAM saws, drivers, and rotaries. Turn knob fully clockwise.

- ④ L.E.D. Readout Screen is located at top center of console control panel. It Indicates the revolutions per minute (R.P.M.) the handpiece is turning.

- ⑤ Mode Control Lighted Key Pad . This is an important feature to those who wish to bypass the foot switch control. The key pad is located in the upper right-hand corner of the console control panel. Upon activating the console the mode key labeled "FOOT" will show a "Green" light. The green light indicates that the power is set to run using the foot switch.

Should the user desire to bypass the foot switch, it will be necessary to have a circulating person press the key labeled "HAND" on the Mode Control key pad. The green light will go out and the "Hand" key will show a "Red" light indicating that the foot switch has been deactivated.

CAUTION: Bypassing the foot switch immediately activates the motor and any handpiece connected to it. Disconnect the handpiece from the motor to prevent accidental operation when handpiece is not needed.

- ⑥ Maximum R.P.M. Readout Key Pad is color coded (Red, Blue, Green) lighted squares located below the L.E.D. Readout Screen. This unique feature permits the user to select the visual R.P.M. digital readout if needed. The black Speed Control knob will set the R.P.M. Reading on L.E.D.

GREEN SQUARE: Indicates 25,000 R.P.M. or less. It will light up when the console is first turned on). This is the R.P.M. range of all Oscillating, Sagittal, Reciprocating, and Standard Rotary handpieces.

BLUE SQUARE: Indicates 6,250 R.P.M. or less.

This is the R.P.M. range for the A/O Fixation Rotary handpiece.

RED SQUARE: Indicates 625 R.P.M. or less.

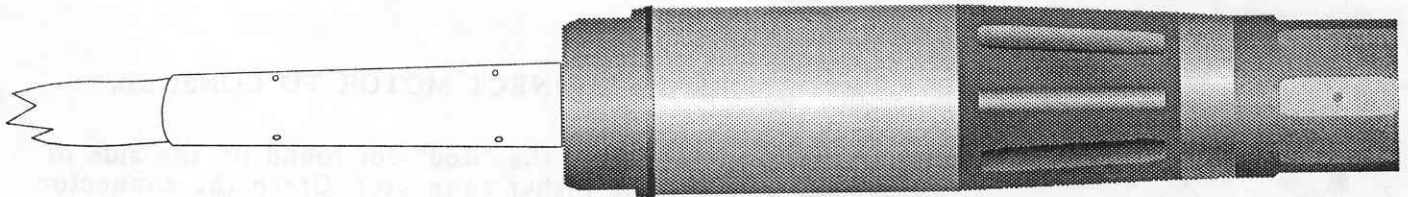
This is the R.P.M. range for the Universal Fixation Driver handpiece.

The color squares require only a slight touch of the finger to change from one indicated speed to another. The square that is touched will light up and the L.E.D. Readout screen will change to the R.P.M. range selected.

- ⑦ Reverse Indicator Light. Activates when the motor has been placed in reverse via the Reverse button located on the footswitch. (See Feature No. 12)
- ⑧ Overload Indicator Light. This light will activate after three seconds should the motor become stressed. The system will shut down three seconds after the Overload Indicator light comes on.
- ⑨ Recessed Hand Grip (Left & Right Side)
- ⑩ Footswitch Connector. This is a male, 9 pin, DIN type connector with threaded outer casing. It is located at the rear of the console in the lower lefthand corner. Both the Standard Footswitch and the Round Variable Footswitch are compatible to this connector.
Refer to section I:C-2 for instructions on how to connect and operate either the Standard Footswitch or the Round Variable Footswitch.
- ⑪ Signal Receptacle is located at the rear of the console in the upper lefthand corner. The receptacle will allow the UAM Irrigation Pump (available in 1993) to integrate with the console.
- ⑫ Audio On/Off Switch. When switch is in the "ON" position, the console will emit a "beeping" sound when the motor is in "Reverse". If desired, the sound may be turned "OFF" via the Audio switch. This switch does not control reversing of the motor, this is done by the Reverse button located on the footswitch.
- ⑬ Voltage Selector Switch (see Section I:A-1)
- ⑭ Fuse Holder (see Section I: A-2)
- ⑮ Power Cord Receptacle (see Section I:A-3)

UAM[®]

ELECTRIC MOTOR 9750-250R



SPECIFICATIONS

SECT. I
B-1

MATERIALS: Stainless Steel & Aluminum

TYPE: Cobalt Brushless Motor; 30V / 3A

TORQUE: .6 inch/ounce stall torque rated.

DIAMETER: 1.35 inches or 34.29 mm

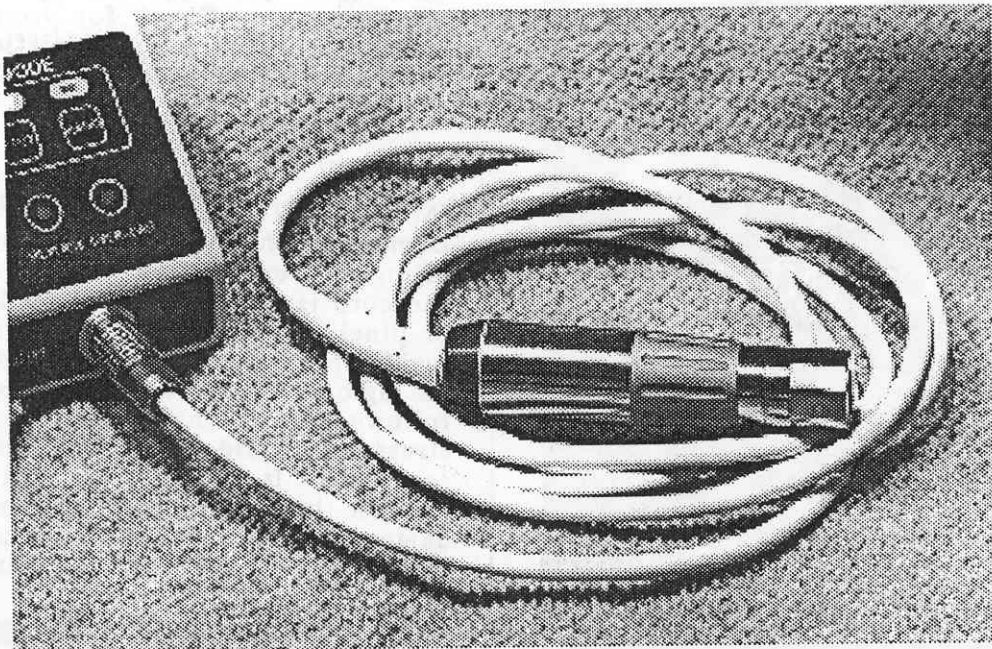
LENGTH: 4.4 inches or 111.78 mm

WEIGHT: (Excluding cord) 7.8 ounces or 200 grams

CORD LENGTH: 10 ft.

CORD DIAMETER: .25 inch

CONNECTION TYPE: DIN Type, 11 pin, male, Fisher Brand.



UAM[®]

ELECTRIC MOTOR 9750-250R

CONNECTING MOTOR TO CONSOLE

SECT. I
B-2

- Motor and cord are one piece construction and do not come apart.

Each white motor cord has one DIN type, 11 pin, male Fisher connector. There is a "Red" dot on the side of the Fisher connector to facilitate connection to the console.

● TO CONNECT MOTOR TO CONSOLE:

1. Locate the "Red" dot found on the side of the Fisher connector. Grasp the connector with the thumb and index finger and align the red dot on the connector with the red dot found on the face of the motor connection receptacle. (see Feature No.2)

ALWAYS GRASP THE CONNECTOR,
NOT THE CORD.

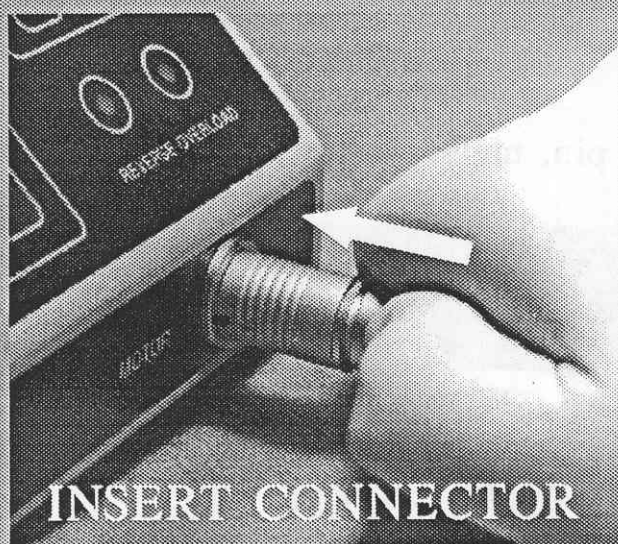
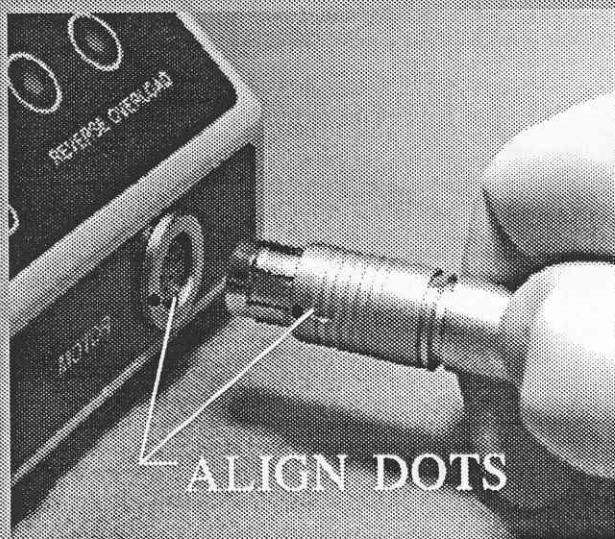
NOTE:

The contact pins of the male Fisher connector are delicate and should not be touched. Static electrical discharge from the human body can damage the micro chip circuitry within the motor.

2. Carefully insert the connector into the receptacle, if difficulty with making a connection occurs, DO NOT USE FORCE! Damage may occur to the pins within the connector. Check for proper alignment of the pins and retry. If difficulty is still encountered, then call UAM Customer Service.

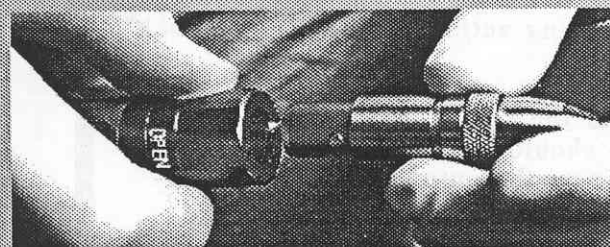
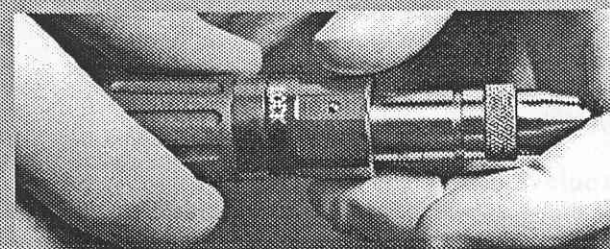
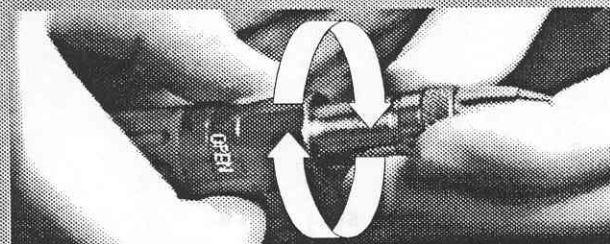
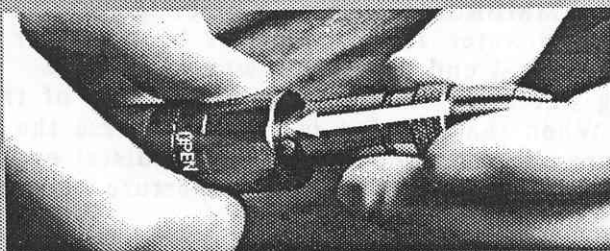
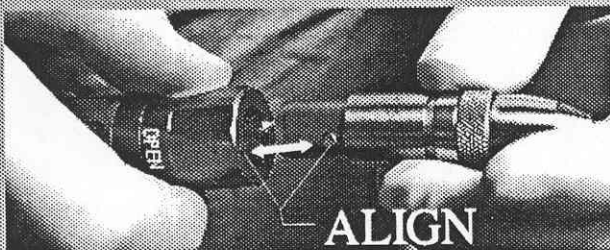
IMPORTANT:

Damage to the White Motor Cord can often be prevented by making sure that the cord is not tightly wrapped, crimped, or pinched. There is a total of nine wires inside the motor cord that feed the motor its logic. If the precautions above are not followed an internal wire may short, or a stress tear could develop at the motor cord base. It is equally important not to pull on the motor cord. This may cause damage to the connections inside the motor, or at the Fisher connector.



UAM®

"QUICK-LOCK" CONNECTOR



Rotary handpiece used as example.

MOTOR CONNECTION/DISCONNECTION

SECT. I:B-4

The UAM® "Quick-Lock" mechanism is a spring loaded device mounted on the distal end of the UAM® motor. It is designed to facilitate the fast connection and disconnection of all the UAM® handpieces.

Two arrows are inscribed on the "Quick-Lock" mechanism collar which indicate the "LOCK" position and the "OPEN" position. When the collar is turned to the "OPEN" position and then released, it will snap back to the "LOCK" position.

● TO CONNECT A HANDPIECE

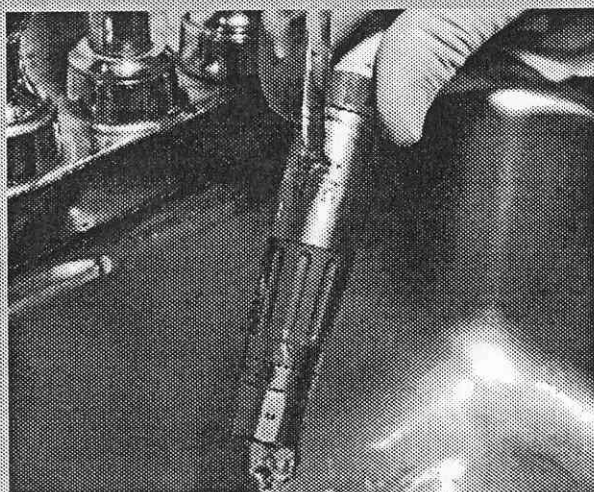
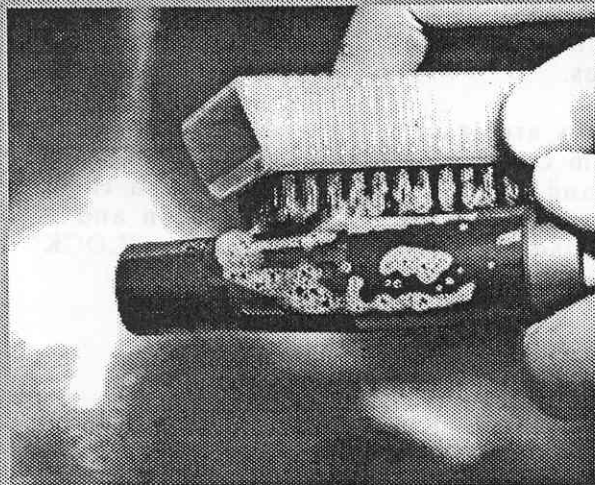
1. Align the two steel studs, located on the side of the handpiece coupler, with the two slots located on the "Quick-Lock" connector.
2. Insert the handpiece so that it seats into the "QUICK-LOCK" connector slots.
Note: The stud of the handpiece will still be visible in the slots of the connector; handpiece is ready to lock into the motor.
3. Do not restrain or hold the "QUICK-LOCK" connector. With slight pressure inwards and clock-wise rotation seat handpiece into motor; the connector should snap to the lock position. If motor and handpiece fail to lock, cycle the motor with a short tap on the foot switch. This will help align the motor drive gear to handpiece mating gear. Once handpiece is locked into the motor the assembly is ready for use.

● TO DISCONNECT A HANDPIECE

1. Rotate the "Quick-Lock" connector to the "OPEN" direction until rotation stops; hold open, then remove handpiece by pulling it from the motor.
2. Release the "Quick-Lock" connector and it will snap back to the "LOCK" position.

UAM®

ELECTRIC MOTOR
9750-250R



MAINTENANCE

SECT. I
B-3

Good maintenance will extend the life of your UAM Electric Motor.

●CLEANING:

1. Always disconnect the motor from the console, before cleaning.
2. Scrub the motor with mild soapy water using a soft nylon brush or cloth. Avoid letting soapy water enter the aperture located at the distal end of the motor.
3. DO NOT IMMERSE! Rinse briefly under warm running tap water. Hold the motor by posterior end with distal end pointed downward. Allow running water to fall onto the mid-section of the motor. When that portion is rinsed, reverse the procedure and hold the motor by the distal end. Do not allow water to enter the aperture located at the posterior end of the motor.
4. Dry thoroughly with a soft cloth.
5. The motor is now ready for sterilization.

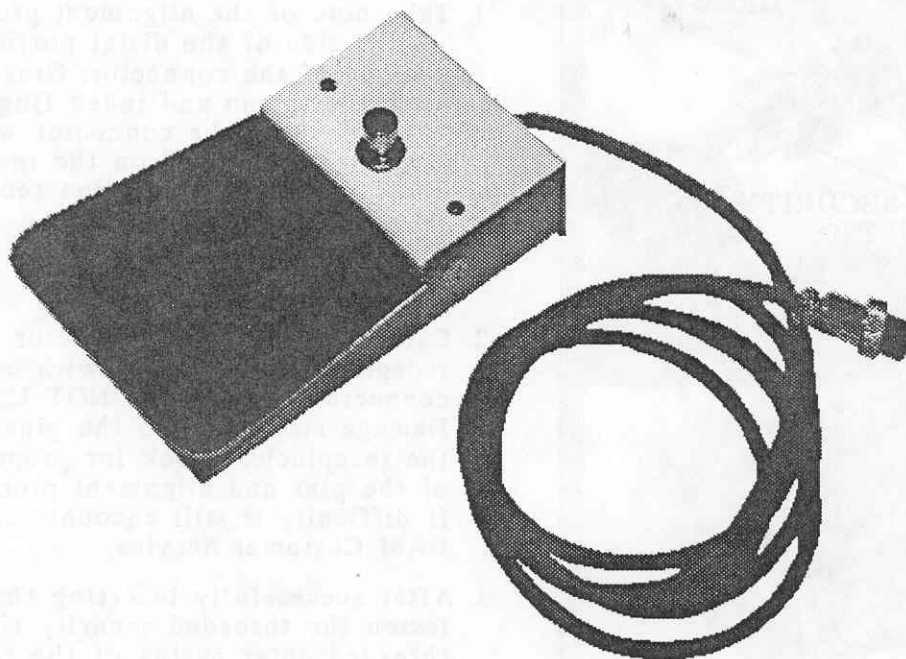
IMPORTANT:

Prior autoclave spray the Motor's "Quick-Lock" connector inner diameter with UAM® 9003-413 Aerosol Instrument Lubricant. This helps to maintain the spring locking action of the "Quick-Lock" connector.

To extend the life of the motor cord, the cord should be wrapped before placing it in the autoclave.

UAM[®]

STANDARD FOOT SWITCH 9750-117



SPECIFICATIONS

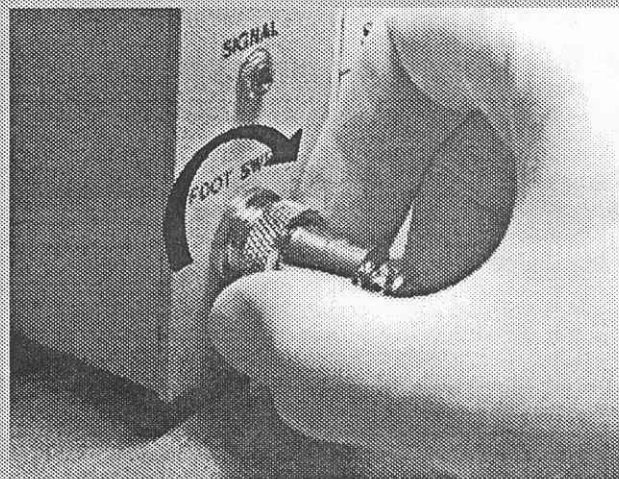
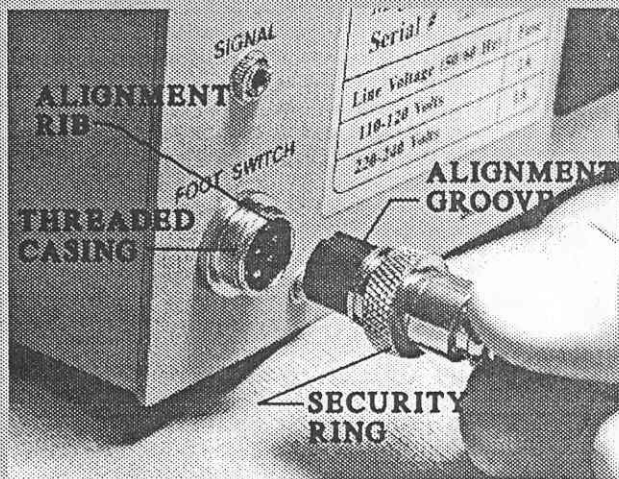
SECT. I
C-1

MATERIALS: STEEL

TOTAL WEIGHT: 15.1 oz. or 429 grams
TOTAL LENGTH: 6 inches or 152.4 mm.
TOTAL WIDTH: 3.75 inches or 95.25 mm.
TOTAL HEIGHT: 2.2 inches or 55.88 mm.
CORD LENGTH: 10 foot
CONNECTOR: DIN type, 8 pin, female

UAM[®]

STANDARD FOOT SWITCH 9750-117



CONNECTING FOOT SWITCH TO CONSOLE

SECT. I
C-2

- Foot Switch and cord are one piece construction and do not come apart.

Each gray foot switch cord has one DIN type, 9 pin, female connector. There is an alignment groove on the side of the distal portion (black plastic) of the connector to facilitate connection to the console.

- TO CONNECT THE FOOT SWITCH TO THE CONSOLE:

1. Take note of the alignment groove found on the side of the distal portion (black plastic) of the connector. Grasp connector with the thumb and index finger and align the groove on the connector with the alignment rib found on the inside top of the foot switch connection receptacle. (see Feature No.10)
2. Carefully insert the connector into the receptacle. If difficulty with making a connection occurs, DO NOT USE FORCE! Damage may occur to the pins within the receptacle. Check for proper alignment of the pins and alignment groove and retry. If difficulty is still encountered, then call UAM Customer Service.
3. After successfully inserting the connector, fasten the threaded security ring to the threaded outer casing of the receptacle. This is done by turning the security ring in a clockwise direction.

IMPORTANT:

Damage to the foot switch can often be prevented by making sure that the gray cord is not crimped, cut, or pinched. It is equally important not to pull on the foot switch cord. This may cause damage to the connections inside the foot switch, or at the connector.

**ALWAYS GRASP THE CONNECTOR,
NOT THE CORD.**

FOOT SWITCH OPERATION

SECT. I C-3

When console is first turned on the mode key pad labeled "FOOT" will light up.
(See Feature No. 5)

- Do not autoclave the foot switch. User may also wish to utilize a "zip lock plastic bag" when using irrigation to flush wound site. The bag will protect the foot switch from stains. This is a suggestion to keep the foot switch clean only.
- The reverse button is located on the anterior (top) surface of the foot switch, providing easy access for the surgeon's foot to depress button to place motor in reverse. A beeping sound will emit from console indicating that the motor is in reverse. When the surgeon is finished using the reverse mode, simply step on the reverse button, the motor will return to normal forward mode, and the beeping sound will discontinue.
- The foot switch controls the R.P.M. range of the motor. It is ready to operate the motor when the console switch is turned on. The "green" lighted key pad, (See Feature No. 6) located on front control panel, lights up and indicates 25,000 R.P.M. on the LED readout screen. When the foot switch is depressed the motor's R.P.M. begins turning. There will be an increase in motor R.P.M. the further the foot switch pedal is depressed. Full depression of the foot switch will maximize the motor at 25,000 R.P.M. range.
- When the "green" key pad is on, the LED readout screen will always read 25,000 R.P.M. The R.P.M. readout does not change if the foot switch is not depressed, console will always read out the setting which is selected. Should the "red" key pad be selected, the red key pad will light up and the LED readout screen will display 625 R.P.M. which is the maximum range of the Universal Fixation Driver. When the "blue" key pad is selected it will light up and the LED readout screen will display 6,250 R.P.M., which is the maximum range of the A/O Fixation handpiece.
- It must be noted that the green, red, or blue key pads will not give a variable R.P.M. reading when the user is stepping on the standard foot switch pedal. The motor will run from 1 to 25,000 R.P.M. depending on the adjustment of the Speed Control knob. However, some handpieces have a speed reducer built in them to slow them down.

Example #1: The motor is turning at 25,000 R.P.M., but the A/O Fixation handpiece will only be turning at 6,250 R.P.M.. This figure will be displayed on the LED readout screen only if the "blue" key pad has been turned on.

Example #2: The motor is turning at 25,000 R.P.M., but the Universal Fixation Driver handpiece will only be turning at 625 R.P.M.. This figure will be displayed on the LED readout screen only if the "red" key pad has been turned on.

All other handpieces will turn at 25,000 R.P.M. unless otherwise specified.

- To bypass the foot switch, be advised that the handpiece will start running as soon as foot switch is deactivated. First, either turn the speed control knob (Feature No. 3) counter-clockwise to lowest setting, or remove the handpiece from the motor to prevent accidental operation, then depress the mode control key pad labeled "HAND" (Feature No. 5). Reinsert the handpiece and adjust speed control only when you are ready for instant start up.



PREPARING INSTRUMENTS FOR STERILIZATION

SECT. I
E-1

- All instruments should be pre-cleaned before sterilizing.
- Do Not sterilize the UAM Console or UAM Footswitch.
- Instruments may be wrapped or un-wrapped. Motors, cords and/or hoses included.
- Place instruments in instrument tray or perforated sterilization case.

RECOMMENDED STERILIZATION

SECT. 1
E-2



Refer to sterilization equipment manufacturers instructions and safety precautions.

- UAM power equipment and accesories are designed to withstand the parameters of steam or gas sterilization as described below. Other methods of sterlization may void UAM warranty.

STEAM AUTOCLAVE	Gravity displacement	250°-254°F (121°-123°C) for 60 minutes
	or	270°-272°F (132°-133°C) for 35 minutes
	High Speed Vacuum	272°F (133°C) for 8 minutes
GAS STERILIZATION	100% Cold Cycle	86°F (30°C) for 4 hours
	100% Warm Cycle	145°F (63°C) for 90 minutes
	88%/12%	130°F (54°C) for 150 minutes
USE A DRYING CYCLE OF 8 TO 10 MINUTES.		

- DO NOT LEAVE INSTRUMENTS IN STERILIZATION UNIT AFTER CYCLE HAS BEEN COMPLETED.
- DO NOT "FLASH" STERILIZE. FLASH METHOD MAY NOT REACH THE INNER CAVITIES OF THE INSTRUMENTS IN THIS SHORT PERIOD OF TIME.



NEVER IMMERSE IN ANY LIQUID IN ORDER TO COOL, STERILIZE, OR CLEAN.

NEVER IMMERSE IN ULTRASONIC CLEANER.



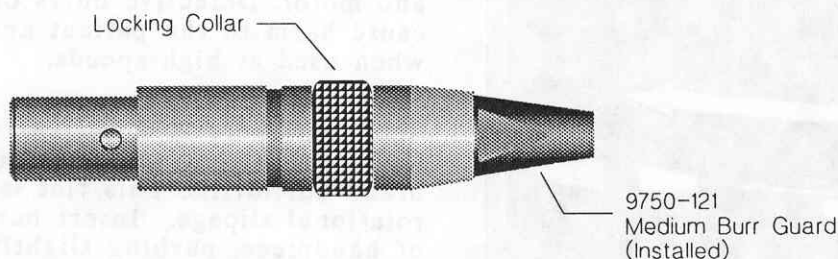
STANDARD ROTARY (Green)

9750-020

&

AO FIXATION (Blue)

9750-021



SPECIFICATIONS

SECT. II
E-1

MATERIALS: STAINLESS STEEL

HANDPIECE	POWER	COLOR CODE	SPEED
STANDARD ROTARY	ELECTRIC OR PNEUMATIC	GREEN COLLAR	ELECTRIC 0-25,000 rpm
			PNEUMATIC 0-35,000 rpm
A/O FIXATION	ELECTRIC OR PNEUMATIC	BLUE COLLAR	ELECTRIC 0-6,240 rpm
			PNEUMATIC 0-7,000 rpm

TOTAL WEIGHT: 1.9 oz. or 54 grams

TOTAL LENGTH: 2.625 inches or 66.675 mm

WORKING LENGTH: 2.0 inches or 50.8 mm

DIAMETER: .642 inch or 16.3 mm

MAXIMUM

SHANK DIAMETER: .092 inch or 2.336 mm

UAM®

STANDARD ROTARY

9750-020

&

A/O FIXATION

9750-021

OPERATING PROCEDURE

SECT. II
E-2

CAUTION:

Follow proper sterilization procedures before operating this device in a surgical environment.

● BURR/DRILL INSTALLATION

1. Turn knurled Locking Collar clockwise to the open position.

2. For best results, use UAM brand burr/drills. Always check burr/drill for defects; and straightness of shank by rolling burr/drill across a flat surface. If warpage or defects of any type are suspected, do not use in handpiece.

A defective burr or drill will cause excessive vibration and overheating within the handpiece and motor. Defective burrs or drills may also cause harm to the patient and surgical staff, when used at high speeds.

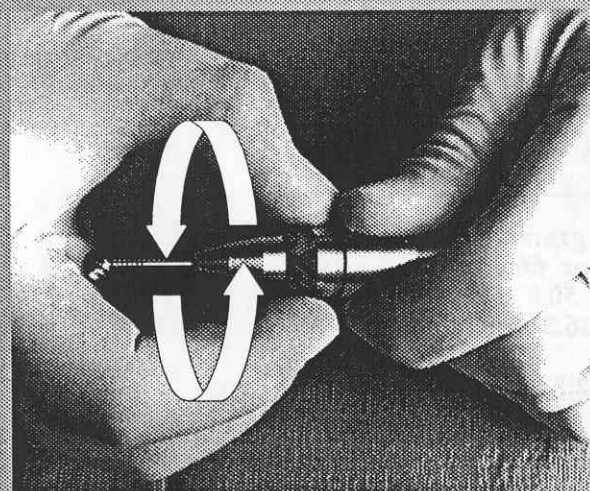
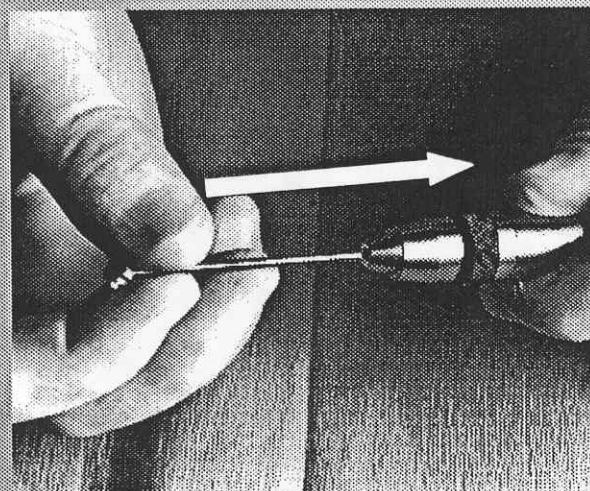
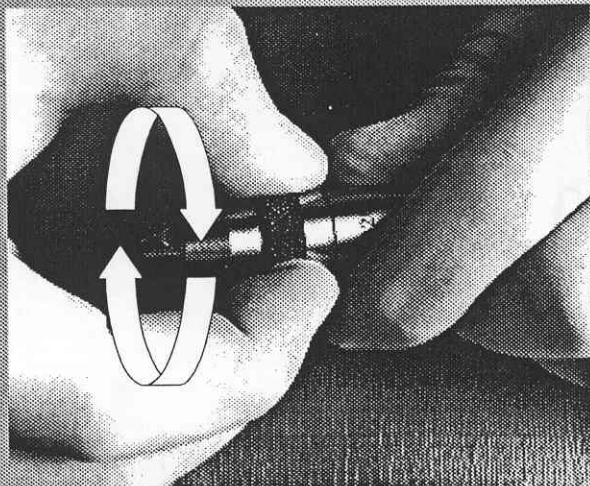
3. Note that there is a flat surface machined into the proximal end of all standard shank UAM brand burr/drills. This flat is designed to prevent rotational slippage. Insert burr/drill into distal end of handpiece, pushing slightly until burr/drill will go no further, at this point, rotate the burr/drill shank, continuing with slight insertion pressure, until the flat on the shank seats "slight drop" inside the handpiece. If you do not use UAM brand burr/drills be sure to order "J-Notched" shanks from your other supplier. The J-Notched burr/drills will seat in handpiece as previous detailed above.

4. Turn Locking Collar of handpiece counter-clockwise to lock burr/drill in place.

5. Reverse procedure to remove burr/drill products.

6. Attach handpiece to motor by utilizing the "Quick-Lock" connector. (see Sect. I:B-4)

7. The Standard Rotary or A/O Fixation handpiece is now ready for use.



UAM®
STANDARD ROTARY
9750-020
&
A/O FIXATION
9750-021

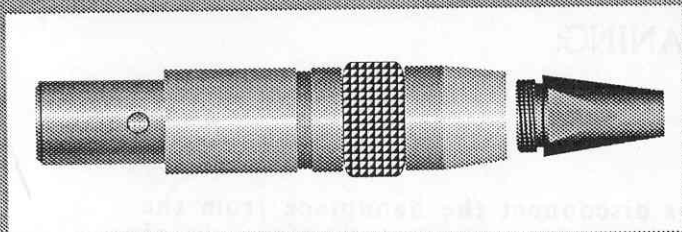
OPERATING PROCEDURE

SECT. II
E-2.1

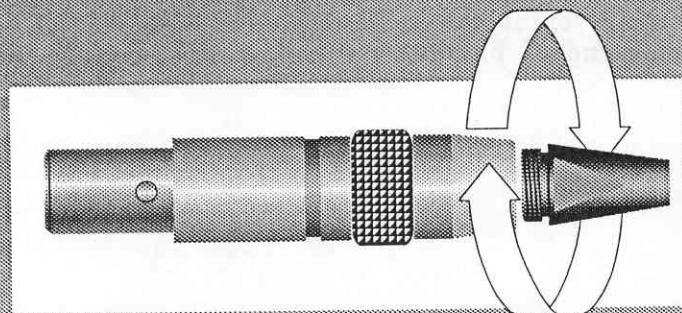
CAUTION:

Follow proper sterilization procedures
before operating this device
in a surgical environment.

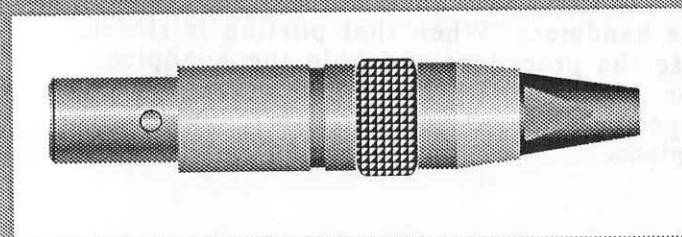
**UAM® BURR GUARD
INSTALLATION**



1. Align threads of Burr Guard with distal end of the rotary; insert and engage threads.



2. Twist Burr Guard (clock-wise) till snug for installation; (counter-clock-wise) for removal.



3. Rotary is ready for appropriate accessory.

NOTE: Reverse steps for removal

UAM® BURR GUARDS



9750-120A
Standard Burr Guard

for Accessories
44mm to 55mm



9750-121
Medium Burr Guard

for Accessories
55mm to 65mm

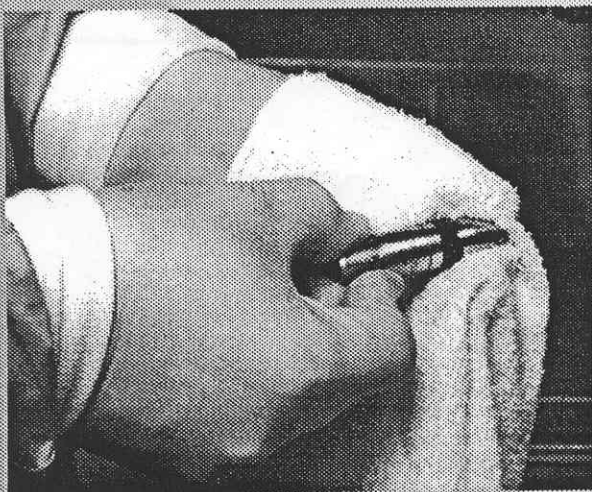
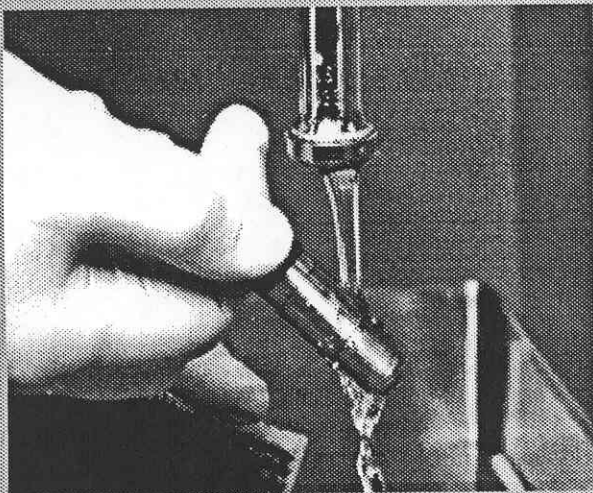
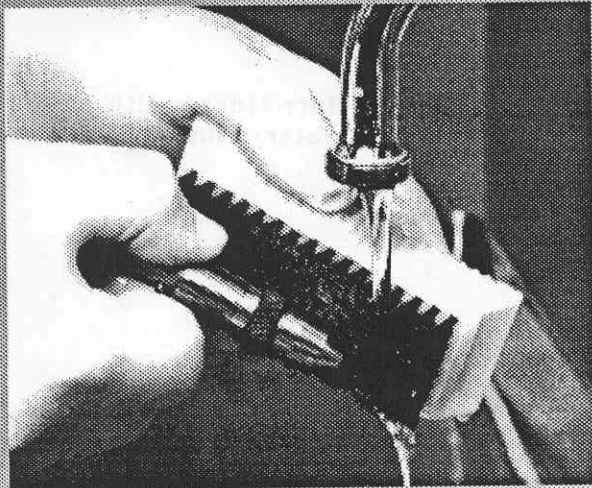


9750-122
Long Burr Guard

for Accessories
70mm

UAM®

STANDARD ROTARY
9750-020
&
A/O FIXATION
9750-021



MAINTENANCE

SECT. II
E-3

Good maintenance will extend the life
of your UAM Standard Rotary
&
A/O Fixation handpiece.

● CLEANING:

1. Always disconnect the handpiece from the electric or pneumatic motor before cleaning..
2. Scrub the instrument with mild soapy water using a soft nylon brush or cloth. Avoid letting soapy water enter the aperture located at the posterior end of handpiece.
3. DO NOT IMMERSE! Rinse briefly under warm running tap water. Hold the instrument by the posterior end with distal end pointed downward. Allow running water to fall onto the mid-section of the handpiece. When that portion is rinsed, reverse the procedure and hold the handpiece by the distal end. Do Not allow water to enter the aperture located at the posterior end of the handpiece.
4. Dry thoroughly with a soft cloth.
5. The instrument is now ready for sterilization.

UAM®

STANDARD ROTARY
9750-020
&
A/O FIXATION
9750-021



● PRECAUTIONS

1. DO NOT IMMERSE IN LIQUID. Immersion in any solution can permanently damage the instrument especially if solution is corrosive (salines, disinfectants, acids...etc.).
2. DO NOT CLEAN WITH LIQUID OR CHEMICAL DISINFECTANTS.
3. NEVER CLEAN IN AN ULTRASONIC CLEANER.
4. DO NOT DROP.
5. DO NOT ATTEMPT TO DISASSEMBLE THIS INSTRUMENT FOR ANY REASON. DOING SO WILL VOID YOUR UAM WARRANTY.

● LUBRICATION

UAM Electric and Pneumatic Power Instruments require No Internal Lubrication. The exterior surface may be enhanced by using UAM Instrument Lubricant No. 9003-413 once a week. Spray a small amount of UAM lubricant onto surface of instrument and then wipe clean with soft cloth.

ACCIDENTAL IMMERSION

SECT. II
E-4

In the event of an accidental immersion in any corrosive (salines, disinfectants, acids....etc.) liquids, proceed as follows:

CALL UAM CUSTOMER SERVICE IMMEDIATELY.

1. Wash the handpiece under running water then rinse in clean water (preferably distilled). The objective is to rinse away any corrosive fluids and precipitates.
2. Now autoclave the instrument at 270°F for 35 minutes with a 10 minute drying cycle.
3. After the instrument has cooled, spray the instrument with UAM Lubricant 9003-413. Do Not saturate the handpiece, but all features should be lubricated, especially where the handpiece connects with the motor.
4. The handpiece should then be packaged and sent IMMEDIATELY to UAM for servicing. Please include a description of the liquid the handpiece was immersed in and the time duration. The handpiece will be disassembled, cleaned, and then promptly returned to you.

FOR ACCIDENTAL IMMERSION IN WATER for time periods greater than 5 minutes, remove handpiece from water and wipe dry. Now follow steps 2,3&4 listed above.

Following these procedures will help preserve your warranty as well as your handpiece.

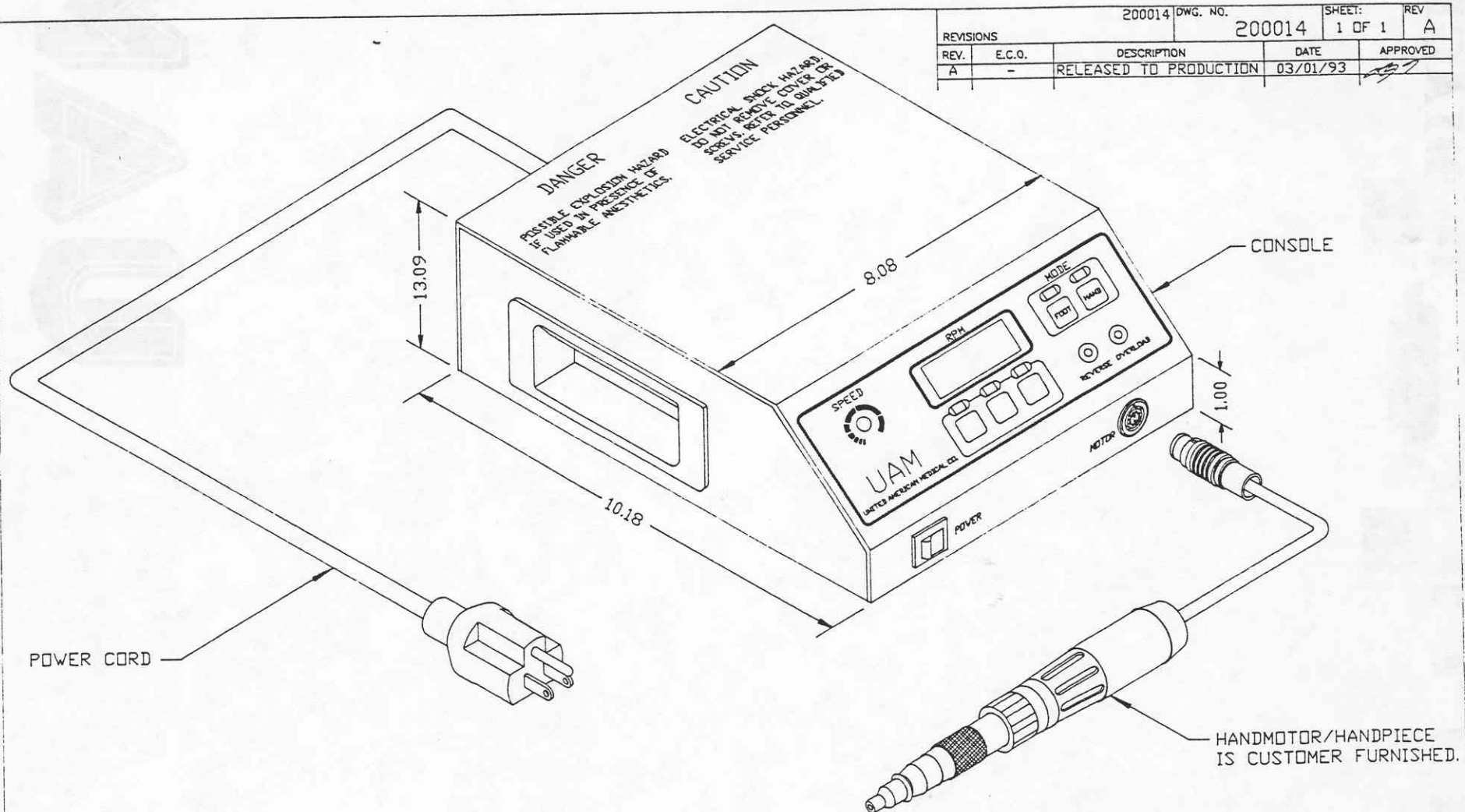
CONSOLE ASSEMBLY DIAGRAM



REWORKMANTE IN 3/11/10
BY 1721 P/M 21
15 0' NOV 2009
OVW

UAM[®]

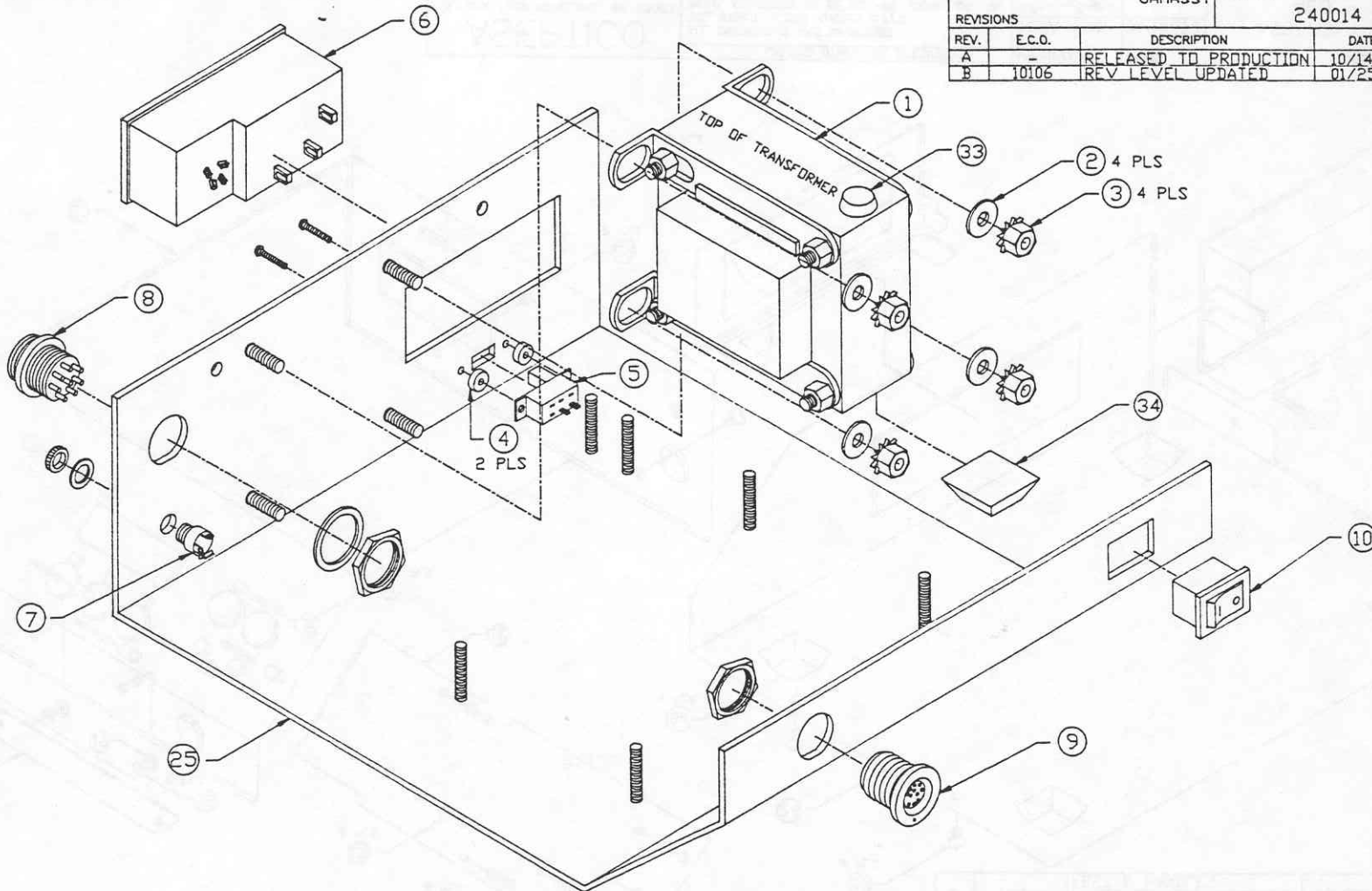
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200014		DWG. NO.	200014	SHEET:	1 OF 1	REV	A
REV.	E.C.O.	DESCRIPTION	DATE	APPROVED			
A	-	RELEASED TO PRODUCTION	03/01/93				

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	SHEET METAL TOL: .XX = $\pm .010$.XXX = $\pm .005$		CHK: <i>[Signature]</i>	8-16-93	SIZE:	FSCM NO. SCALE:	REV: A
			ENGR: <i>[Signature]</i>	8-16-93	66250	NONE	SHEET: 1 OF 1

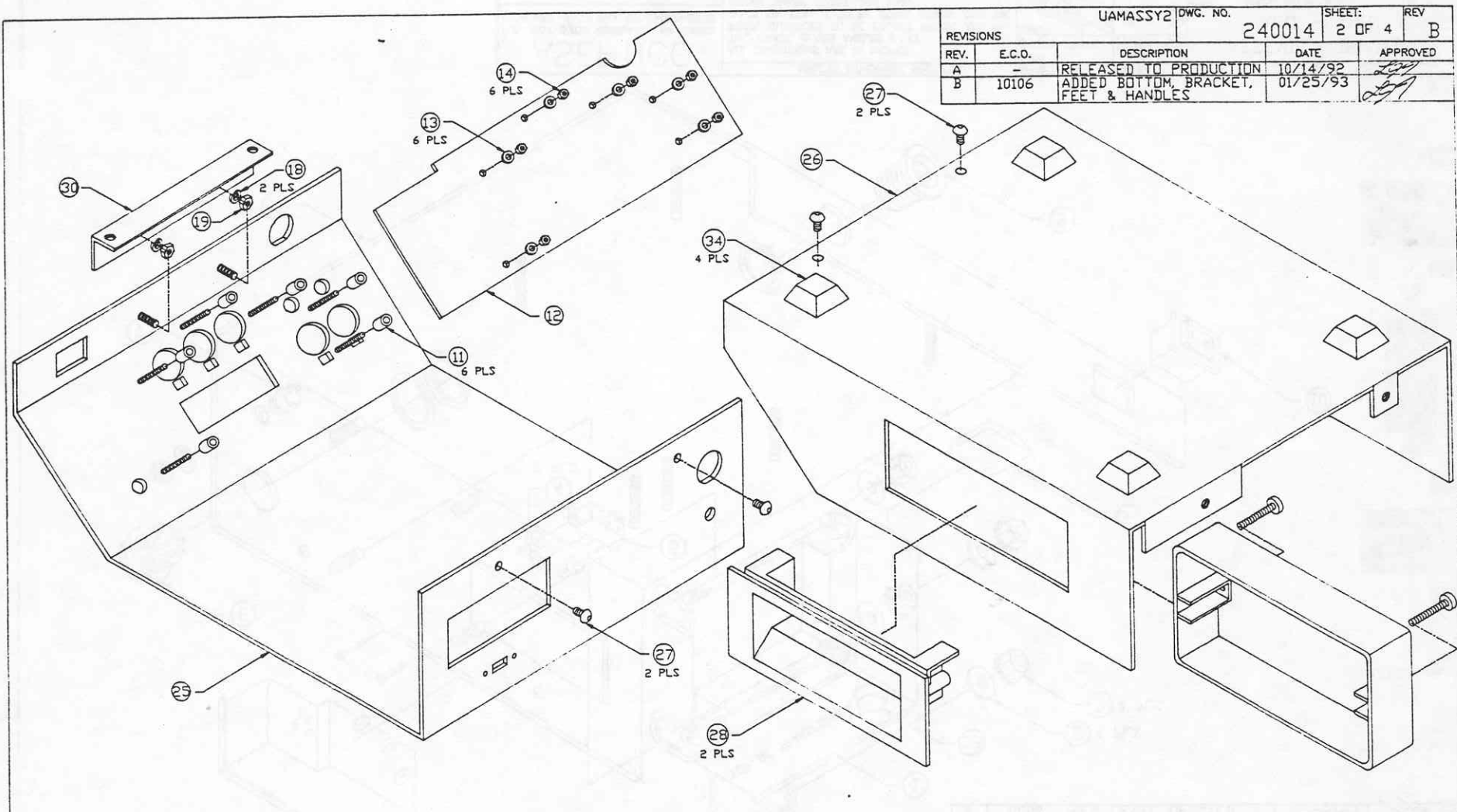
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REV.	E.C.O.	DESCRIPTION	DATE	APPROVED			
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B	10106	REV LEVEL UPDATED	01/25/93	<i>[Signature]</i>			

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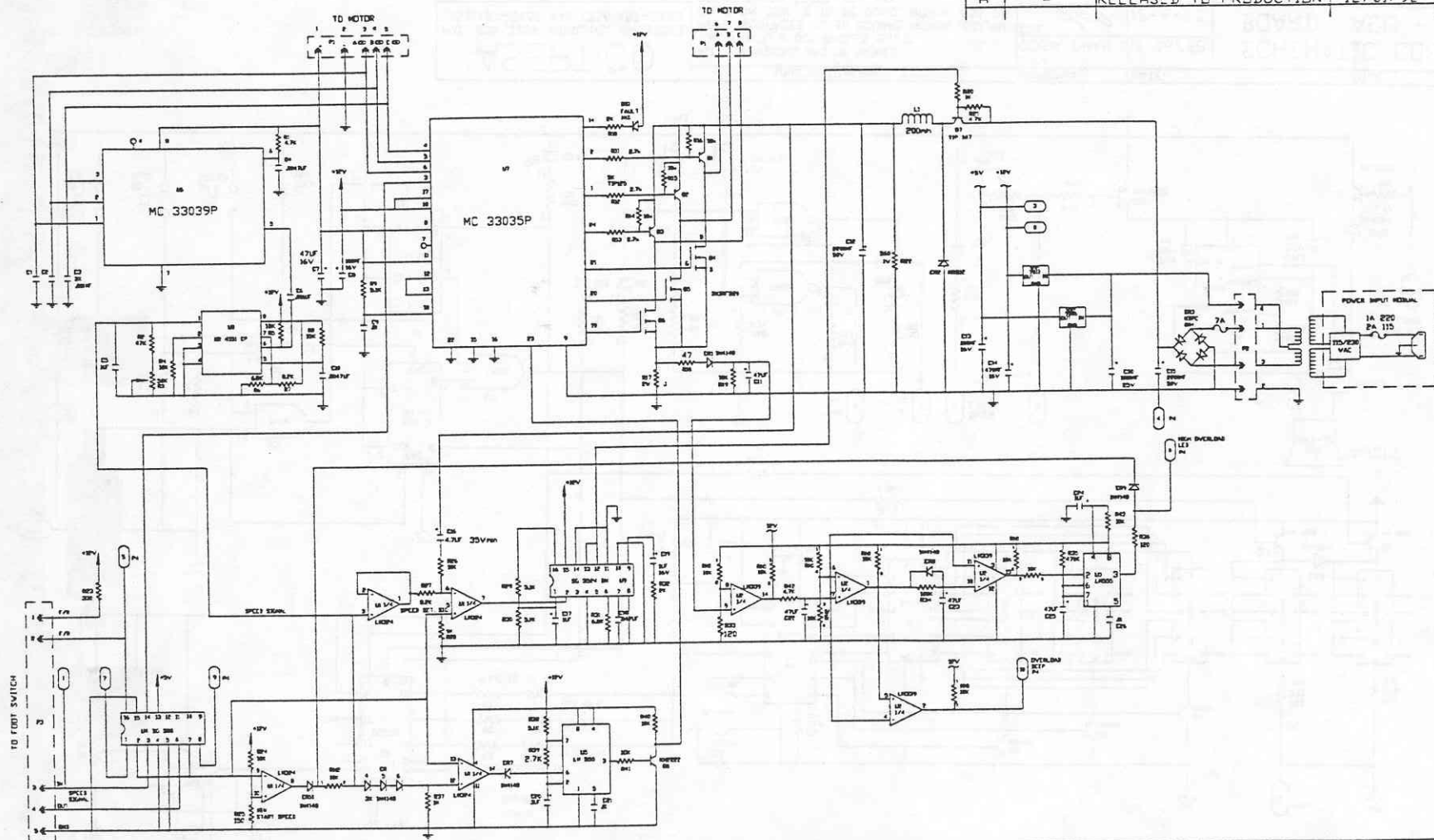


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B	10106	ADDED BOTTOM BRACKET, FEET & HANDLES	01/25/93		

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		ENGR: 	2-2-93	SIZE:	FSCM NO. 66250	SCALE: NONE
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ALL DIMENSIONS ARE IN INCHES TOL. FRACT. $\pm .005$ ANGLES $\pm 1/2^\circ$ PERP. SURFACES TO BE SQUARE WITHIN .001/IN. DIA.'S ON COM. ϕ TO BE CONC. WITHIN .003 TIR BREAK SHARP EDGES .005 MAX. FILLETS .005 R. MAX. MACH. SURF. FINISH		SHEET METAL TOL: .XX = $\pm .010$.XXX = $\pm .005$		SHEET:	2 OF 4	

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550006		1 OF 7	A	
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BREAK SHARP EDGES .005 MAX.
FILLET .005 R. MAX. MACH. SURF. FINISH _____

SHEET METAL TOL.: .XX = $\pm .010$
.XXX = $\pm .005$

APPROVAL:

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PROD. *LM*

DATE:

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10/06/92	
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12-4-92

[illegible]

12-4-92

13-4-97

TITLE:

SCHEMATIC POWER
BOARD AEU - 312U

SIZE:	
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FSCM. NO.	SCALE
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11215

SHEET:

1 DF 7

REV: Δ

2	DWG ND
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550004

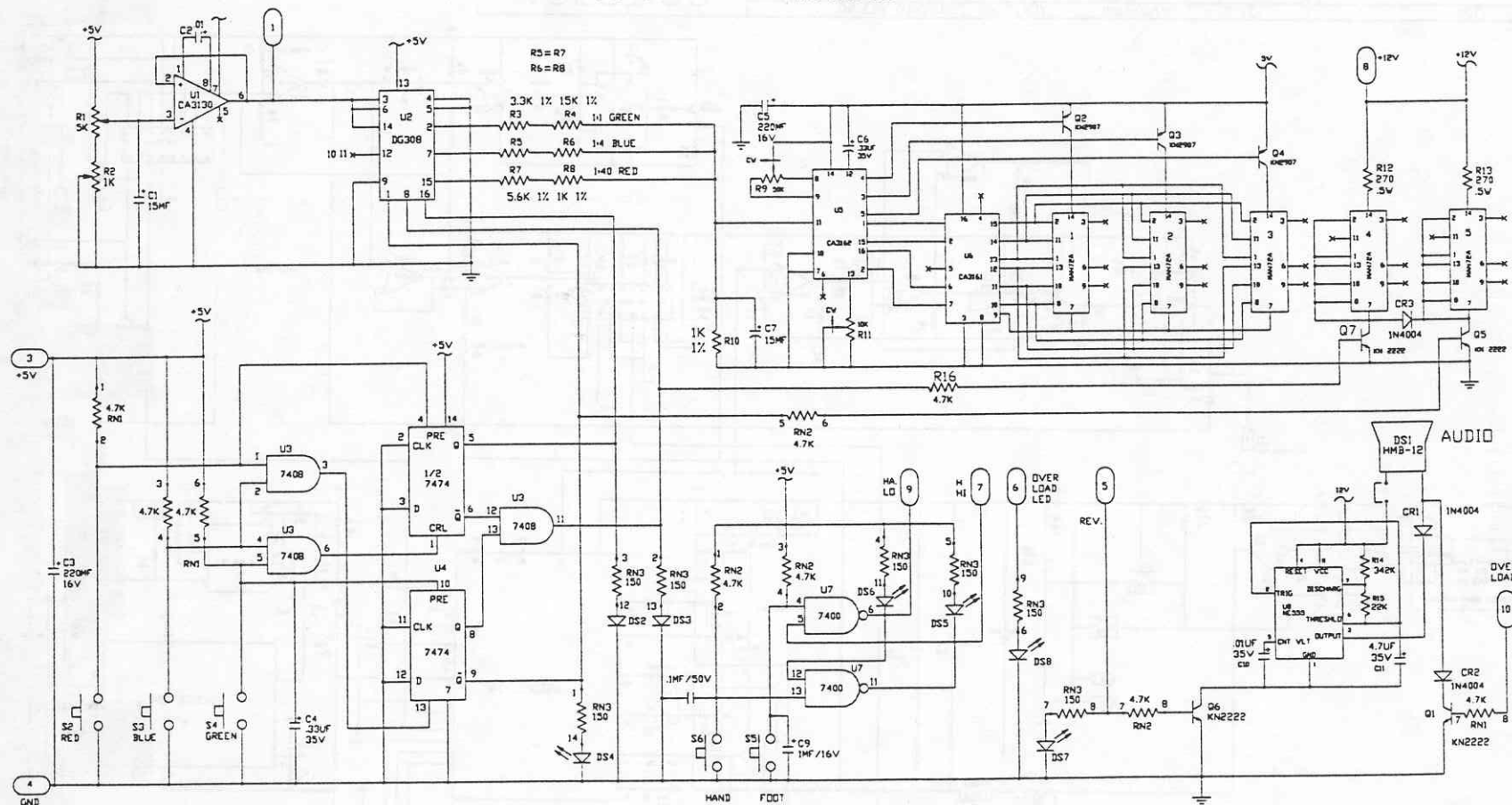
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A	-	RELEASED TO PRODUCTION	12/01/92	<i>[Signature]</i>

FCBUAM DWG. NO. 550005 SHEET: 1 OF 7 REV. A

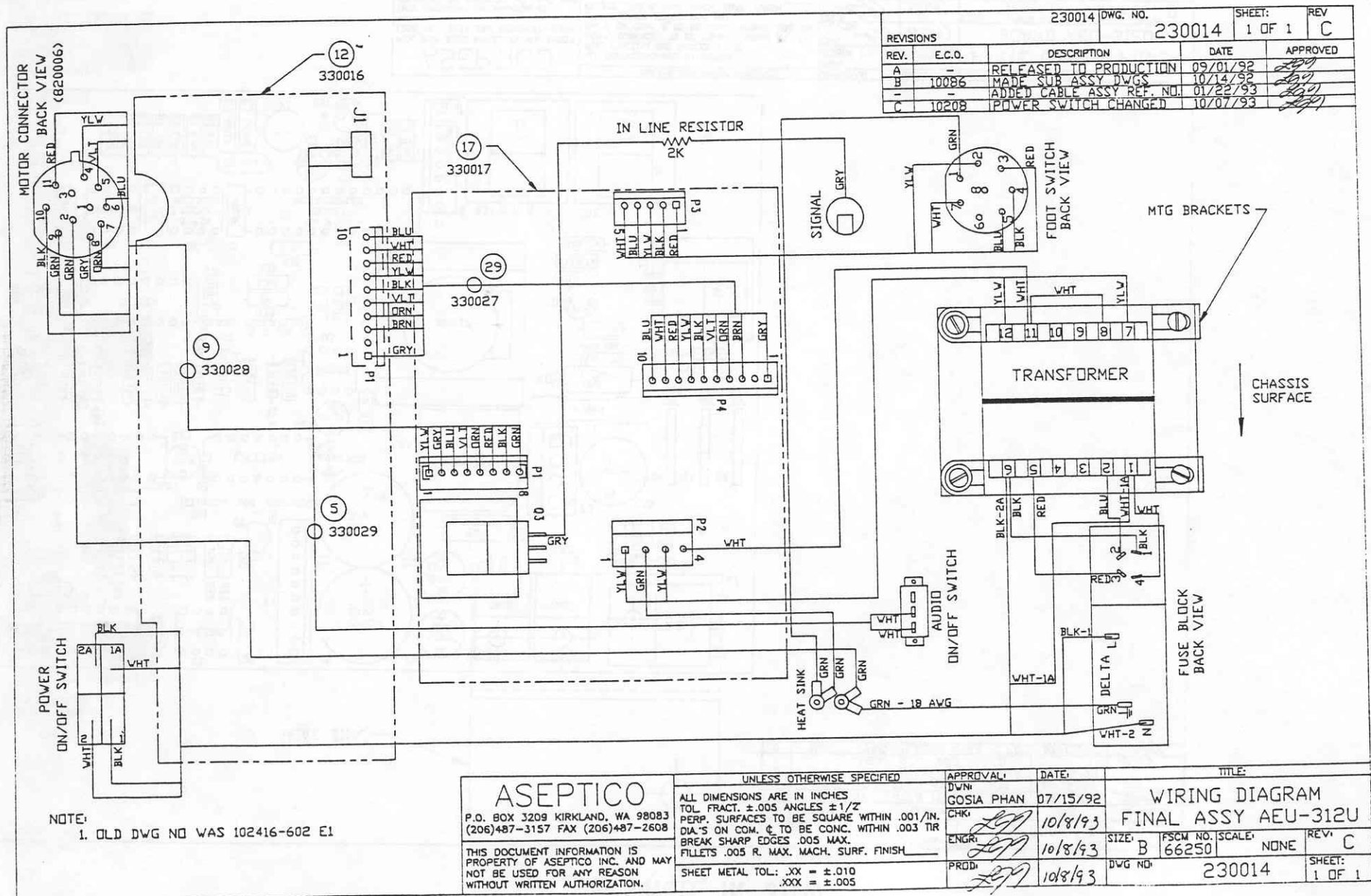
18.3K
1:1
6.57K
1:4 1:40 3.92K+2.67K 1%

SPEED RANGE
1:1 2500-25000
1:4 625 -6250
1:40 62.5-625



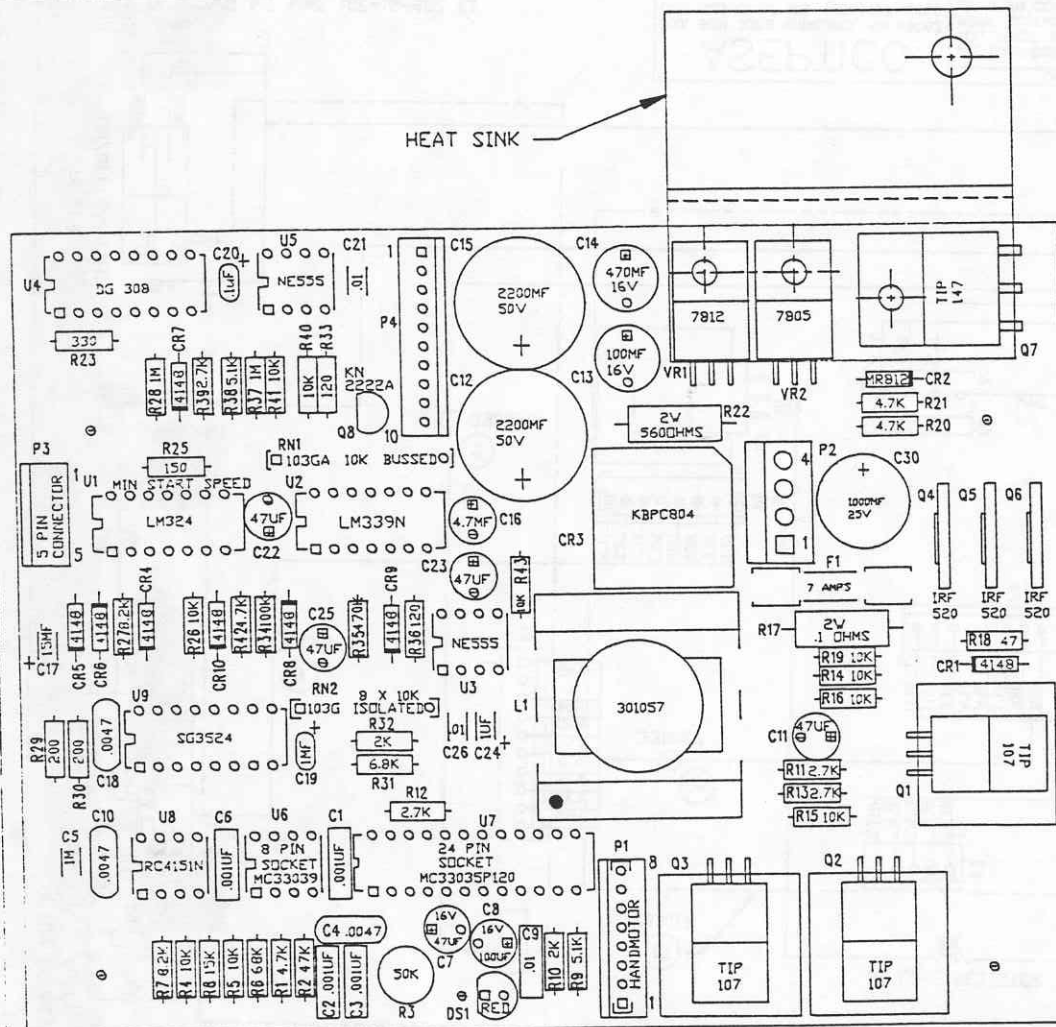
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		CHK:	12-4-92		
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		PROD:	12-4-92	DWG NO	550005

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REV. E.C.O.		DESCRIPTION	DATE	APPROVED
A	-	RELEASED TO PRODUCTION	09/01/92	<i>LP</i>
B	10087	R34 FROM 47K TO 100K	10/16/92	<i>LP</i>
C	10104	Q8, C12, C15 WERE CHANGED HEAT SINK WAS ADDED	01/20/93	<i>LP</i>
D	10177	CHNG R29,30,C17 REFER TO E.C.D	07/13/93	<i>LP</i>

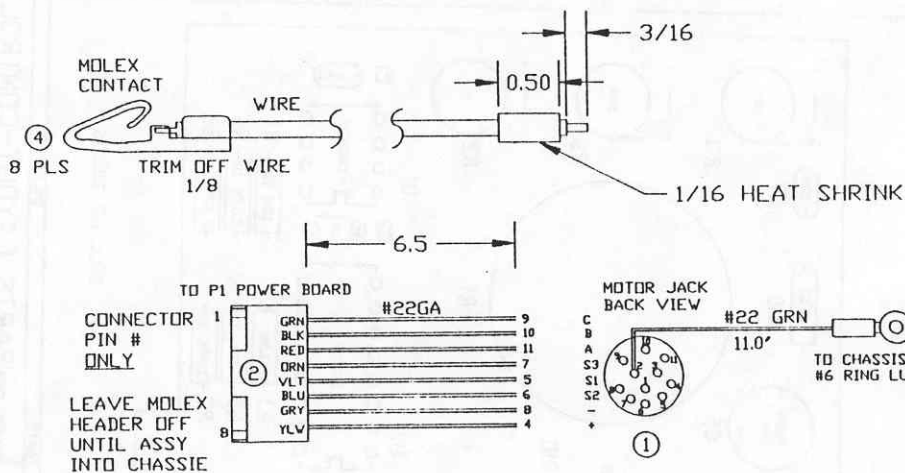


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		CHK <i>LP</i>	7/13/93		
		ENGR <i>LP</i>	7/13/93	SIZE: 66250	PCB NO. SCALE: NONE
		PRD <i>LP</i>	7/13/93	DWG NO: 550006	REV: D
SHEET METAL TOL: .XX = ±.010 .XXX = ±.005		SHEET: 2 OF 7			

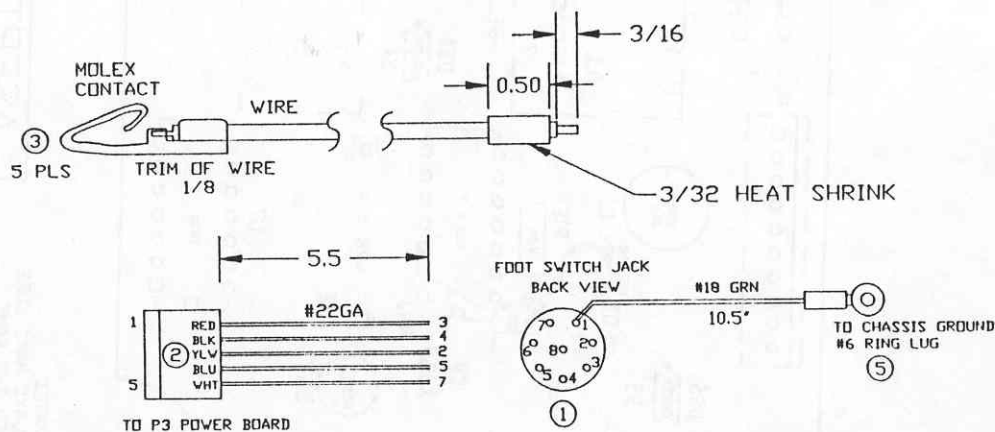
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REVISIONS		MOTRASSY DWG. NO.	330028	SHEET: 1 OF 1	REV. A
REV.	E.C.O.	DESCRIPTION	DATE	APPROVED	
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SHEET METAL TOL.: .XX = $\pm .010$.XXX = $\pm .005$		SIZE: A	FSCM NO. 66250	SCALE: NONE	REV: A
		DWG NO. 330028			SHEET: 1 OF 1

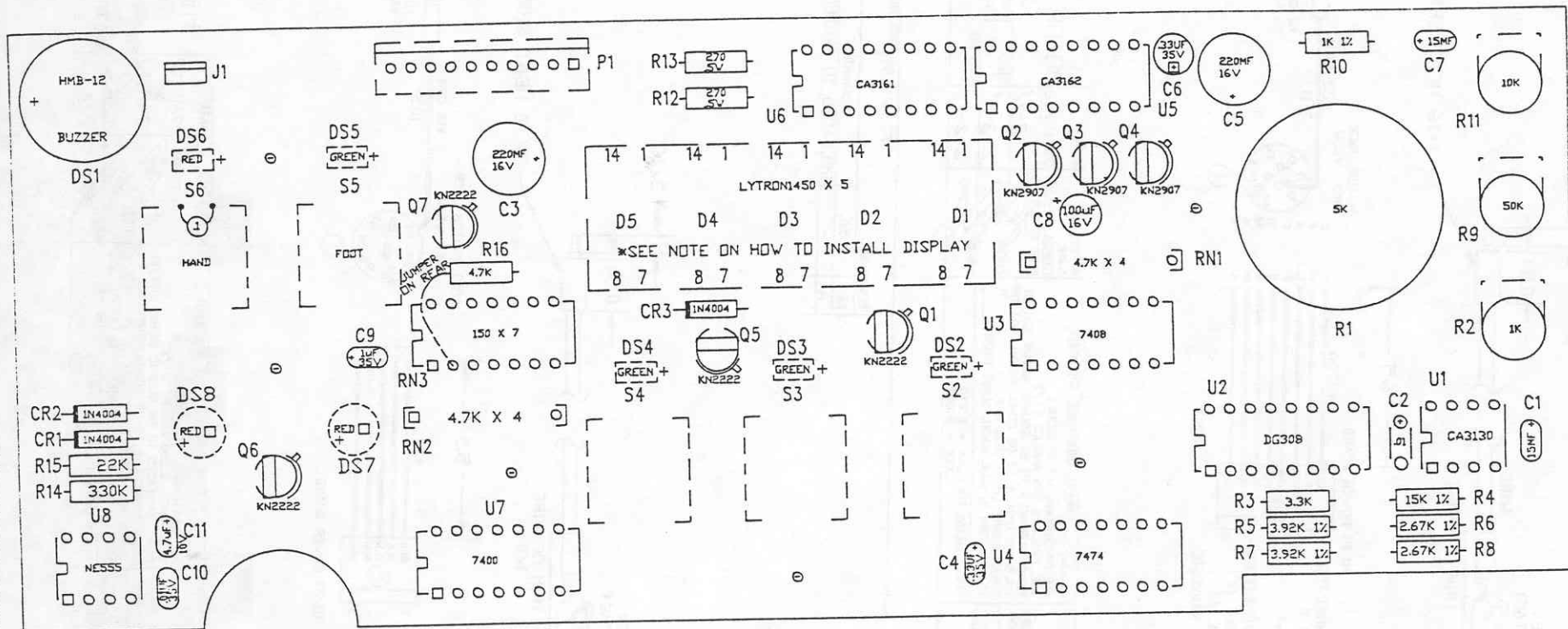


REVISIONS		FTSWASSY DWG. NO.	330026	SHEET: 1 OF 1	REV. A
REV.	E.C.O.	DESCRIPTION	DATE	APPROVED	
A	-	RELEASED TO PRODUCTION	10/14/92	<i>[Signature]</i>	

UNLESS OTHERWISE SPECIFIED		APPROVAL:	DATE:	TITLE:	
ALL DIMENSIONS ARE IN INCHES TOL. FRACT. $\pm .005$ ANGLES $\pm 1/2^\circ$ PERP. SURFACES TO BE SQUARE WITHIN .001/IN. DIA'S ON COM. ϕ TO BE CONC. WITHIN .003 TIR BREAK SHARP EDGES .005 MAX. FILLET .005 R. MAX. MACH. SURF. FINISH		DWN: GOSIA PHAN CHK: ENGR: PRD:	09/18/92 2-2-92 2-2-92 2-2-92	FOOT SWITCH CONNECTOR ASSEMBLY AEU - 312U	
SHEET METAL TOL.: .XX = $\pm .010$.XXX = $\pm .005$		SIZE: A	FSCM NO. 66250	SCALE: NONE	REV: A
		DWG NO. 330026			SHEET: 1 OF 1

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550005-2		DWG. NO.	550005	SHEET:	2 OF 7	REV	B
REV.	E.C.O.	DESCRIPTION	DATE	APPROVED			
A	-	RELEASED TO PRODUCTION	08/31/92				
B	10231	C8 FROM 100MF 25V TO 100MF 16V ADDED DISPLAY INSTALLATION NOTE	11/16/93				

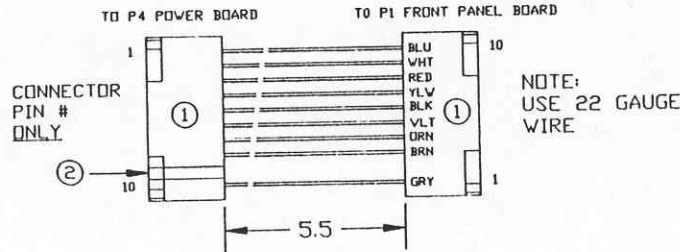
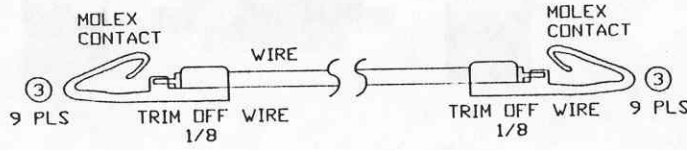


BILL NO 330016

*NOTE:
DISPLAY MUST BE ELEVATED
WHEN INSTALLING DISPLAYS MAKE SURE
THAT THE DISPLAY IS ON THE SAME
LEVEL AS THE LED'S AND SWITCHES.

UNLESS OTHERWISE SPECIFIED		APPROVAL:	DATE:	TITLE:	
ASEPTICO P.O. BOX 3209 KIRKLAND, WA 98083 (206)487-3157 FAX (206)487-2608 THIS DOCUMENT INFORMATION IS PROPERTY OF ASEPTICO INC. AND MAY NOT BE USED FOR ANY REASON WITHOUT WRITTEN AUTHORIZATION.		DWN:	GOSIA PHAN	PARTS LAYOUT-CONTROL BOARD AEU-312U	
		CHK:	11-19-93		
		ENGR:	11-19-93	SIZE:	B
		PROD:	11/19/93	FSCM NO. SCALE:	66250 NONE
SHEET METAL TOL: JXX = ±.010 JXX = ±.005		DWG NO:		550005	REV: B
					SHEET: 2 OF 7

INTRASSY		DWG. NO.	330027	SHEET:	1 OF 1	REV	A
REVISIONS	REV.	E.C.O.	DESCRIPTION	DATE	APPROVED		
	A	-	RELEASED TO PRODUCTION	10/14/92	<i>[Signature]</i>		



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	SHEET METAL TOL.: .XX = $\pm .010$.XXX = $\pm .005$	DWG NO: 330027	SHEET: 1 OF 1					

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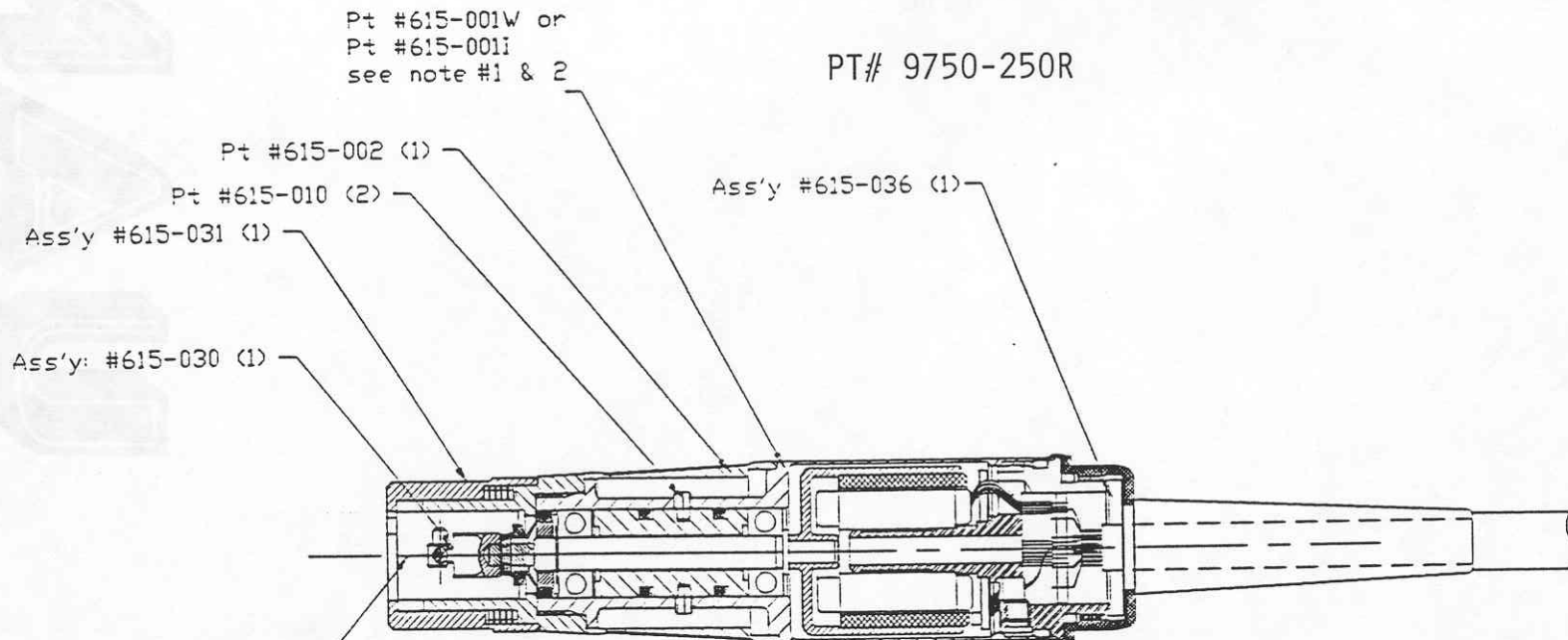
MOTOR ASSEMBLY DIAGRAM



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615-000



Very important

use #9003-413 aerosol instrument lubricant prior to motor testing.

Notes:

- (1)for UAM motor #9759-250 use Pt #615-001W
- (2)for INTENN motor #615 use Pt #615-001I
- (3)loctite indicated area with loctite #242
- (4)Motor must be tested for the following
RPM 25000±10%
max Amp. draw 1.5 @ max RPM and no load
- (5)run motor for 15 min @ max RPM and test for heat. Motor must be comfortable to touch.
- (6)test ground.
- (7)test motor with 3 different hand pieces.

PARTS-LIST

For Ass'y # 615-000 Page of

Final Ass'y # 615-000 Date:

Part-Number	Description	Quantity	Lot for each Part
615-001W or 615-001I	Motor Housing	1	
615-002	Front Cover	1	
615-010	Set Screws	2	
615-030	Motor Shaft Ass'y	1	
615-031	Lock Ass'y	1	
615-036	Power Cable Ass'y	1	

see notes # 1 & 2

Comment:

Next Ass'y: Final

Next Ass'y: Final			
		TITLE ELECTRIC MOTOR	
		Scale: 2:1	Approved by
		Dated: 05-92	drawn by R. Mueller
		Material:	H.T. or Plating Spec.
		see P.L.	
A	6-05-92	Release	Drawing Number
REV	DATE	MASTER METAL ENG. INC	
		615-000	

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PARTS-LIST

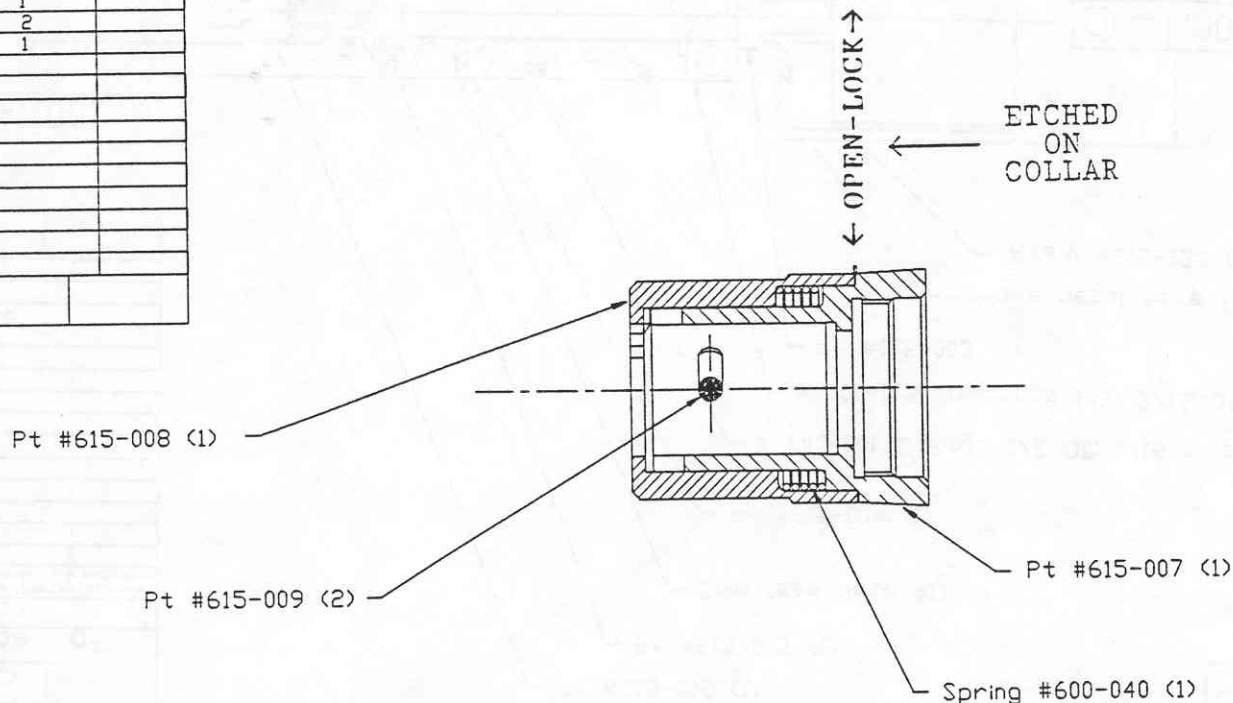
For Ass'y # 615-031 Page of

Final Assy # : 615-000 Date:

[illegible]

Comment:

615-031



Notes:

- (1) after ass'y unit must snap and operate smoothly.
- (2) laser etch after assembly as shown.
- (3) all letters 1/8 high.

Next Ass'y: 615 000

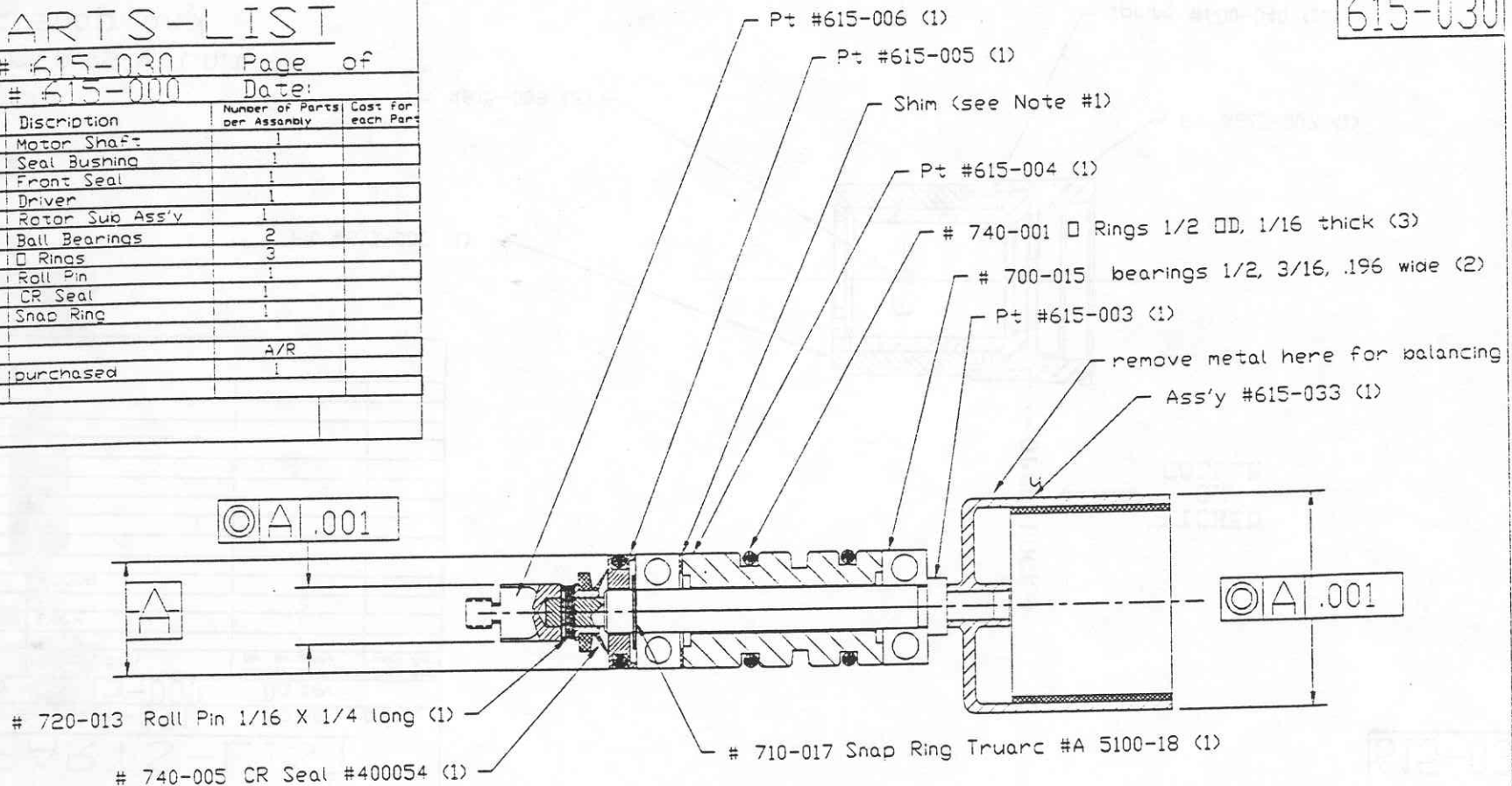
Next Ass'y: 615-000			TITLE Lock Ass'y		
			Scale: 2:1	Approved by	drawn by
			Date: 6-04-91		R. Mueller
C	06-05-92	added laser etch information and note #1 and #2	Material:	H.T. or Plating Spec.	
B	1-21-92	Redesigned	see P.L.		
A	6-04-91	Release	Drawing Number		
REV	DATE		MASTER METAL ENG. INC 615-031		

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PARTS-LIST

615-030

For Ass'y # 615-030		Page of	
Final Ass'y # 615-000		Date:	
Part-Number	Description	Number of Parts per Assembly	Cost for each Part
615-003	Motor Shaft	1	
615-004	Seal Bushing	1	
615-005	Front Seal	1	
615-006	Driver	1	
615-033	Rotor Sub Ass'y	1	
700-015	Ball Bearings	2	
740-001	O Rings	3	
720-013	Roll Pin	1	
740-005	CR Seal	1	
710-017	Snap Ring	1	
Shim - wave W.		A/R	
Magnet	purchased	1	
Comment:			



Notes:

- (1)use wave washers and shims to properly preload bearings.
- (2)after complete ass'y, dynamically balance to grade G2.5. Remove metal on Ass'y #615-033. DO NOT BREAK INTO MAGNET!!!!

Next Ass'y: 615-000

TITLE Main Shaft Ass'y	
Scale: 2:1	Approved by
Date: 6-04-92	drawn by R. Mueller
Material: see P.L.	H.T. or Plating Spec.
B 12/2/93 added note #2	Drawing Number
A 6-04-92 Release	615-030
REV. DATE	MASTER METAL ENG. INC

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615-031

PARTS-LIST

For Ass'y # 615-031 Page of

Final Ass'y # 615-000 Date:

Part-Number	Description	Number of Parts per Assembly	Cost for each Part
615-007	Nose	1	
615-008	Lock	1	
615-009	Pin	2	
600-040	Spring	1	

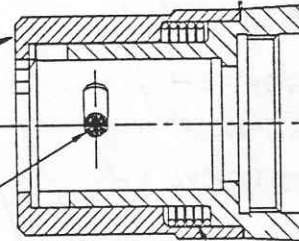
Comment:

Pt #615-008 (1)

Pt #615-009 (2)

↑ OPEN-LOCK ↓

ETCHED
ON
COLLAR



Pt #615-007 (1)

Spring #600-040 (1)

Notes:

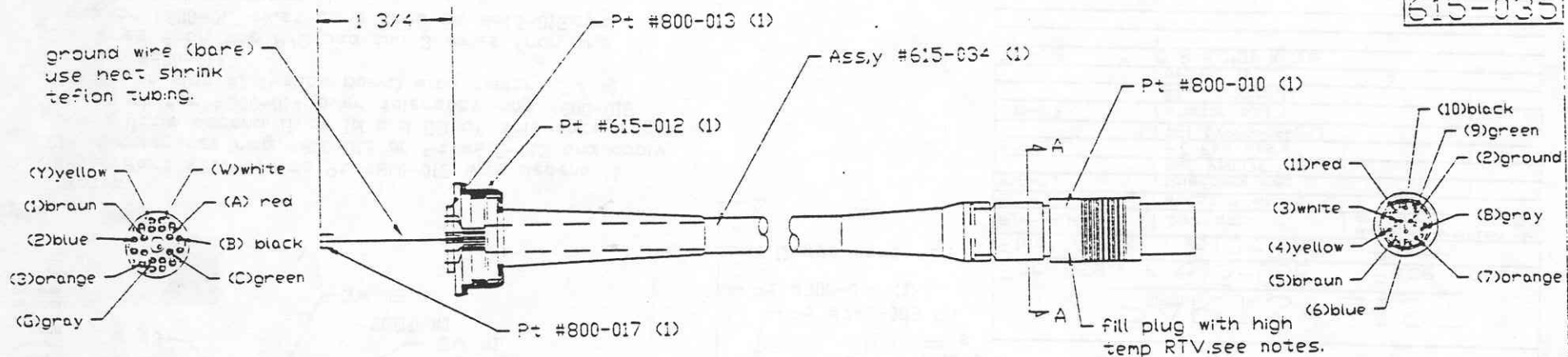
- (1)after ass'y unit must snap and operate smoothly.
- (2)laser etch after assembly as shown.
- (3)all letters 1/8 high.

Next Ass'y: 615 000

Next Ass'y: 615-030			TITLE Lock Ass'y		
			Scale: 2:1	Approved by	drawn by
			Date: 6-04-91		R. Mueller
C	06-05-92	added laser etch information and note #1 and #2	Material:	H.T. or Plating Spec.	
B	1-21-92	Redesigned	see P.L.		
A	6-04-91	Release			Drawing Number
REV DATE			MASTER METAL ENG. INC		615-031

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615-035



PARTS-LIST

For Ass'y # 615-035 Page of
Final Ass'y # 615-000 Date:

Part-Number	Description	Number of Parts per Assembly	Cost for each Part
615-012	end cap motor	1	
615-034	able molding ass'y	1	
800-010	W/Fisher SA Plug	1	
	Pt # SE104		
	AC56-132/6.7		
800-013	C/bond (cable)	1	
800-017	1/8 round spacer	1	
	E-1000-065-0		
	heat shrink tubing .037ID		
	.008 wall X 1 3/4 long		
	high temp seal dow corning RTV 106		
	ion equiv	A/P	
solder	(60-40)	A/P	

Comment:

Notes:

- (1)solder(60-40) Pt #800-017 flush to ground wire.
- (1)solder cable Pt #800-013 to Ass'y #615-034 as shown.
- (3)wet strain relief and slide Pt #615-012 into undercut.
- (4)solder fisher plug #800-010 onto Ass'y #615-034 as shown using .037 ID .008 wall X 2' long teflon heat shrinkable tubing.
- (5)seal fisher plug #800-010 using high temp. RTV 106 or equivalent.
- (6)inspection must check all ass'ies 100% for continuity of all wires and cross check each wire for shorts using test box #615 T01.
- (7)ass'y may not have any blemishes on external parts.
- (8)check fisher plug #800-010 for integrity of seal using test fixture #615-T02
- (9)TPR autoclave rating 5min. cycle 275° @ 30 PSI
15min. cycle 250° @ 20 PSI

VIEW A-A

For Ref. only:
This Ass'y. is purchased complete.
All parts, with the exception of parts #615-012 and #800-013, are supplied by supplier.
Present supplier
National Cable Molding Co.

Next Ass'y: 615-036

Ref. kob\58

Tolerances (inches) unless otherwise specified:

FRACTIONAL = 1/16 DECIMAL = .005 ANGULAR = °
CORNER BREAKS .002/.008 THREAD CHAMFERS 1 TO 1 1/2 THDS.
FEATURES ON SAME C LINE = .005 MAX. 63 MICRO INCH FINISH MAX.
CONCENTRICITY .005 TIR MAX. PERPENDICULARITY .005 IN/IN MAX.
PARALLELISM .002 IN/IN MAX. ROUNDNESS .005 MAX.
FLATNESS .005 IN/IN MAX. STRAIGHTNESS .001 IN/IN MAX.
SYMMETRY .006 MAX

ALL DIM. APPLY AFTER ANY PLATING
DO NOT SCALE DRAWING

TITLE Cable Sub Ass'y

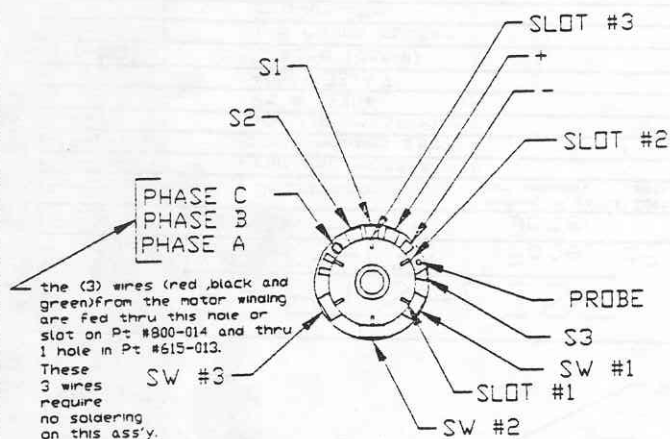
Scale: 1:1 Approved by
Date: 6-23-92
Material: H.T. or Plating Spec.
see P.L.

REV A 06-23-92 RELEASE
REV DATE

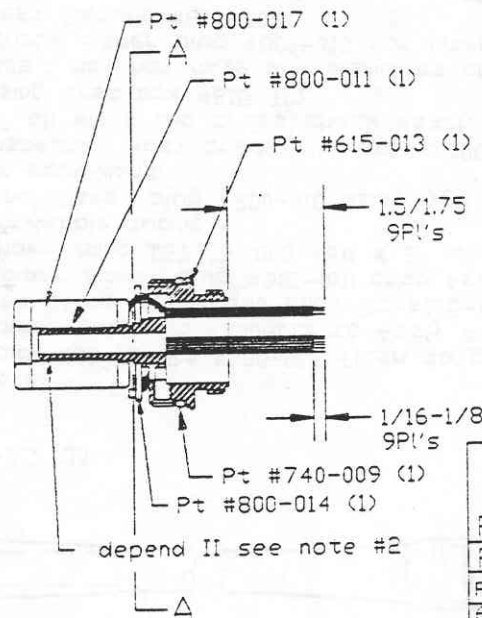
MASTER METAL ENGINE 615-035

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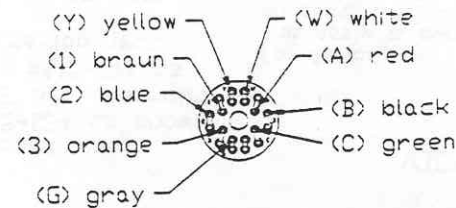
615-032



Sec A-A



View of connector cable and is not part of this ass'y.



- Notes:
- (1) Bond Part #800-014 to Pt #800-013 with depend II.
 - (2) put tolerance ring #800-012 on Pt #615-013 and apply very little depend II on Id and OD of tolerance ring. push stator #800-014 over tolerance ring #800-012 and align slot #1 (yellow paint) with switch (SW #1) on Pt #800-014.
 - (3) 6 wires from the P/C pad and 3 wires from the stator #800-017 must come thru pt #615-013, cut and striped as shown.

PARTS-LIST

For Ass'y # 615-032 Page of
Final Ass'y # 615-000 Date:

Part-Number	Description	Number of Parts per Assembly	Cost for each Part
615-013	adaptor winding	1	
800-011	tolerance ring	1	
	BND 250375		
800-014	P.C Pad ass'y	1	
800-017	stator ass'y	1	
	BEI DXP09-09-011Z		
	depend II	A/R	
740-009	O Ring 1"OD X 1/16	1	

Comment:

Next Ass'y: 615-036

Ref. bob\40a

Tolerances (inches) unless otherwise specified

FRACTIONAL = 1/16 DECIMAL = .005 ANGULAR = 1°
CORNER BREAKS .002/.008 THREAD CHAMFERS 1 TO 1 1/2 THDS.
FEATURES ON SAME C LINE = .005 MAX. 1 63 MICRO INCH FINISH MAX.
• CONCENTRICITY .005 TIR MAX. • PERPENDICULARITY .005 IN/IN MAX.
1 PARALLELISM .002 IN/IN MAX. • ROUNDNESS .005 MAX.
2 FLATNESS .005 IN/IN MAX. - STRAIGHTNESS .001 IN/IN MAX.
• SYMMETRY .006 MAX

TITLE Stator Ass'y

Scale: 1:1

Approved by

drawn by

Date: 06-11-92

R. Mueller

Material:
see P/L

H.T. or Plating Spec.

A 06-11-92 Release

REV: DATE

MASTER METAL ENG. INC

Drawing Number

615-032

ALL DIM. APPLY AFTER ANY PLATING
DO NOT SCALE DRAWING

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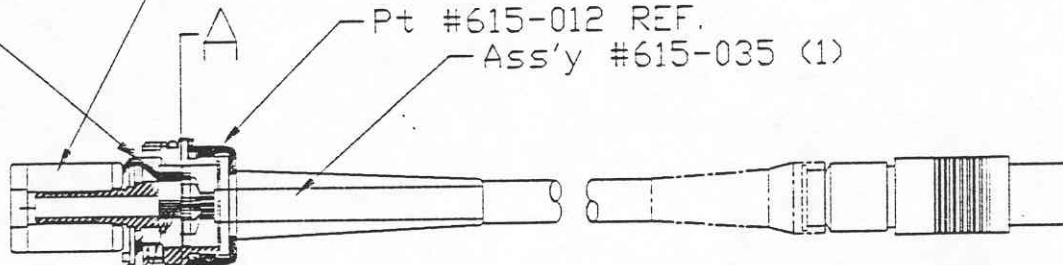
PT#9750-120

615-036

ASS'Y #615-032 (1)

-Pt #615-012 REF.

- Ass'y #615-035 (1)



blue /
VIEW A-A Pt #800-014 REF.

- □ Ring 7/8 □□ X 1/16

-6-32 X 1/8 cup pt SST (1)

-(6)wires from motor C/bord #800-014 are directly soldered to the proper terminals on cable C/bord #800-013

For Ass.v # 615-036 Page of

Final Ass.v # 615-000 Date:

Notes:

- Notes:
- (1)solder (9>wires to the cable C/bord #800-013 (ass'y #615-034). position groundwire plug into Pt #615-013 (approx. 1/32 from flush and tighten 6-32 set screw.
 - (2)twist all lead wires approx. 1 turn CW and twist into cavity
 - (3)apply 3 drops of removeable threag lock on ID thread of Pt #615-012 and tighten without twisting cable ass'y.
 - (4)test contenuity of ground wire between 6-32 set screw and ground pin(2) at the fisher plug #800-010.

Next Ass'y: 615-000

Ref. bok\50a

TITLE Power Cable Ass'y

Scale: 1:1

Approved by	
-------------	--

drawn by

Date: 6-5-92

R Mueller

Material:
see P/L

H.T.or Plating Spec.

A 16-5-92 Release

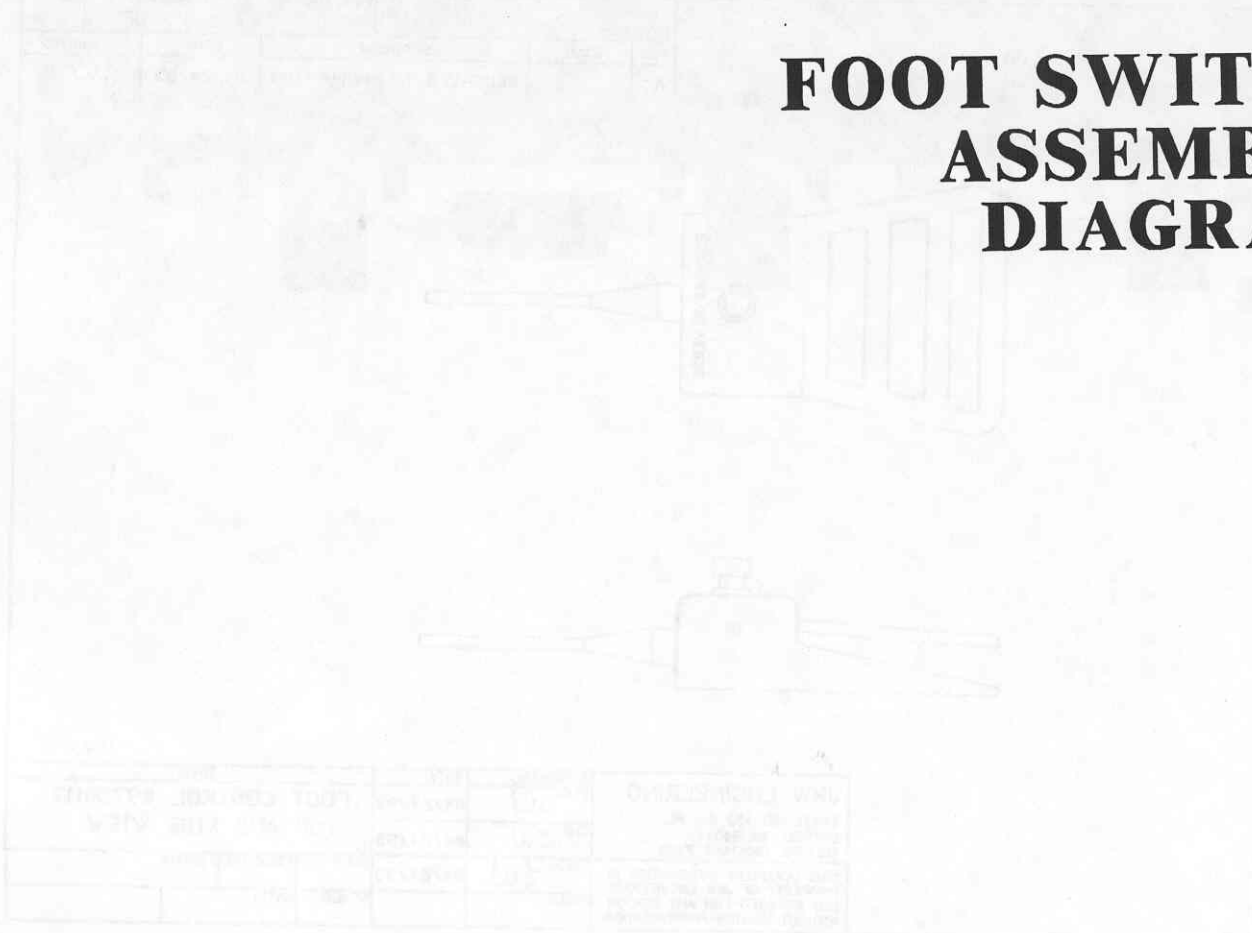
Drawing Number

MASTER METAL ENG.INC

Drawing Number
615-036

ALL DIM. APPLY AFTER ANY PLATING
DO NOT SCALE DRAWING

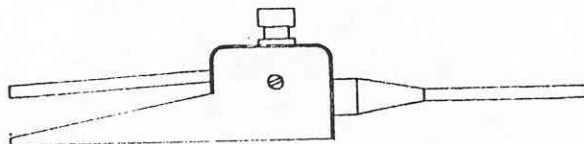
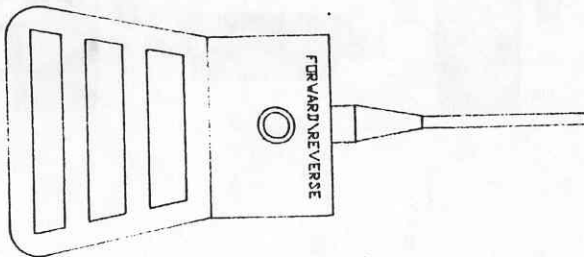
FOOT SWITCH ASSEMBLY DIAGRAM



UAM
100-100000
100-100001
100-100002
100-100003
100-100004

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REVISIONS			DWG. NO.	SHEET:	REV
REV.	E.C.O.	DESCRIPTION	DATE	OF	
A		RELEASED TO PRODUCTION	04/24/93		JW

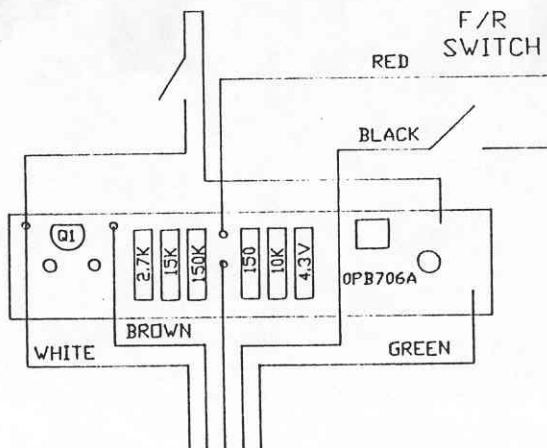
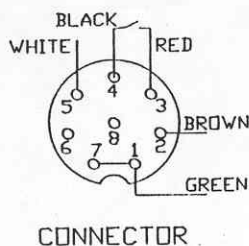


JKW ENGINEERING		APPROVAL:	DATE:	TITLE:	
11931 NE. 153 Rd. PL		DWN: JW	04/24/93	FOOT CONTROL #9750117 TOP AND SIDE VIEW	
BOTHELL WA 98011		CHK: JW	04/24/93		
TEL/FAX (206)488 7790		ENGR: JW	04/24/93	SIZE:	FSCM NO. FINISH:
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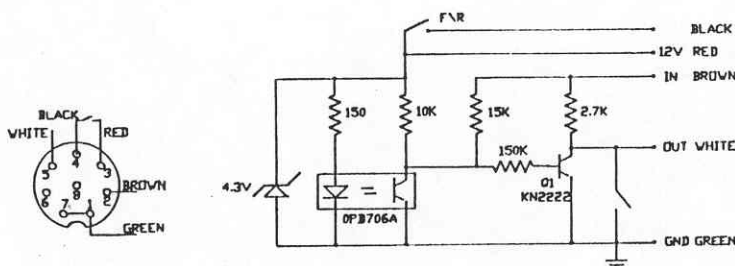
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REVISIONS			DWG. NO.	0002	SHEET: OF	REV
REV.	E.C.O.	DESCRIPTION	DATE	APPROVED		
A		RELEASED TO PRODUCTION	04/24/93	JW		



JKW ENGINEERING			TITLE:		
11931 NE. 153 Rd. PL. BOTHELL WA 98011 TEL/FAX (206)488 7790			APPROVAL:	DATE:	FOOT CONTROL #9750117
THIS DOCUMENT INFORMATION IS PROPERTY OF JKW ENGINEERING NOT BE USED FOR ANY REASON WITHOUT WRITTEN AUTHORIZATION.			CHK:	04/24/93	PARTS LAYOUT
			ENGR:	04/24/93	SIZE:
			PRD:		FSCM NO. FINISH:
					SCALE: MATL:

REVISIONS			DWG. NO.	0003	SHEET: OF	REV
REV.	E.C.O.	DESCRIPTION	DATE	APPROVED		
A		RELEASED TO PRODUCTION	04/24/93	JW		



JKW ENGINEERING			TITLE:		
11931 NE. 153 Rd. PL. BOTHELL WA 98011 TEL/FAX (206)488 7790			APPROVAL:	DATE:	FOOT CONTROL #9750117
THIS DOCUMENT INFORMATION IS PROPERTY OF JKW ENGINEERING NOT BE USED FOR ANY REASON WITHOUT WRITTEN AUTHORIZATION.			CHK:	04/24/93	CIRCUIT DIAGRAM
			ENGR:	04/24/93	SIZE:
			PRD:		FSCM NO. FINISH:
					SCALE: MATL:

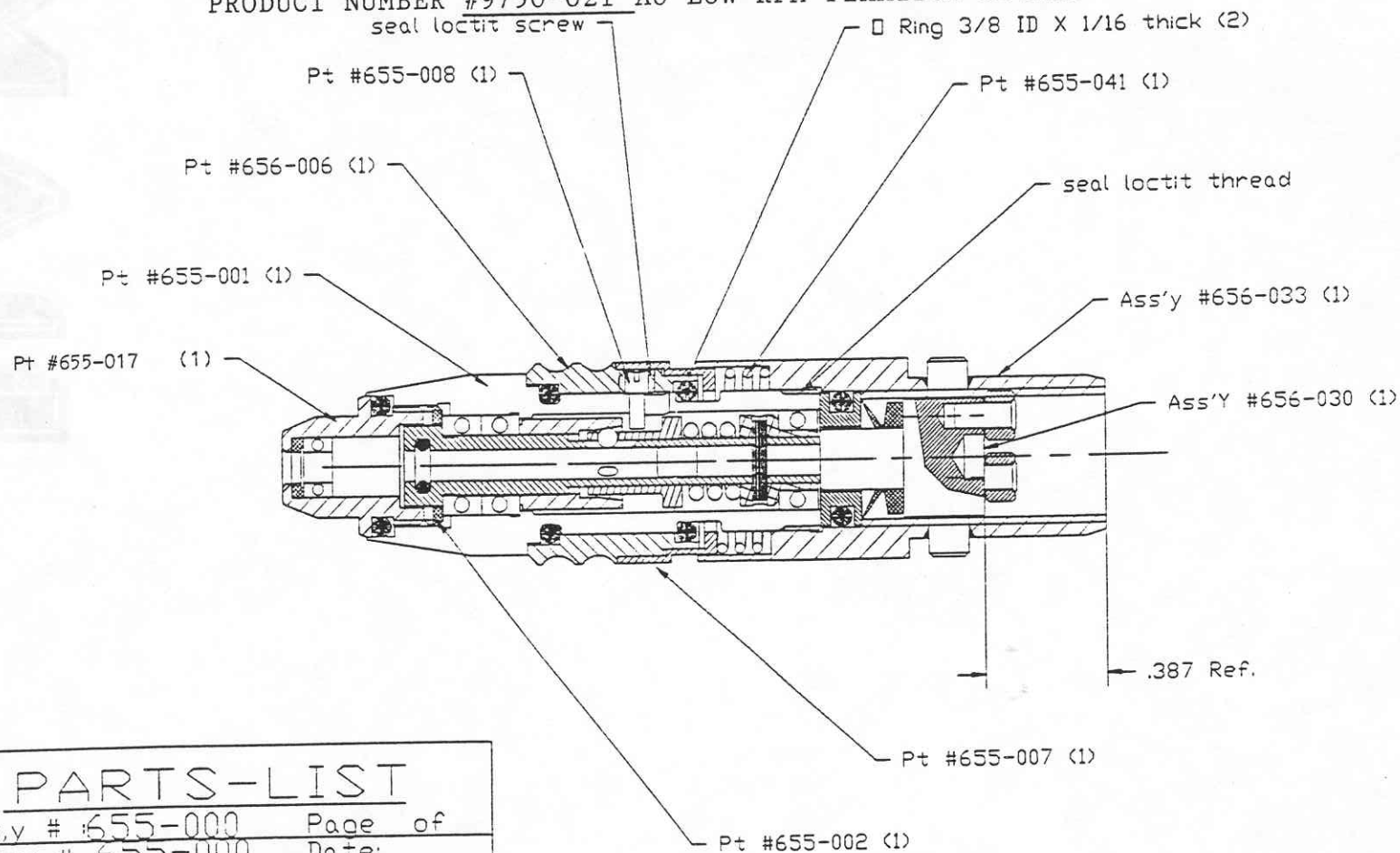
ROTARIES ASSEMBLY DIAGRAMS

UAM[®]

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PRODUCT NUMBER #9750-021 AO LOW RPM FIXATION ROTARY
seal loctit screw

656-000



PARTS-LIST

For Ass'y # 655-000 Page of
 Final Ass'y # 655-000 Date:

Part-Number	Description	Number of Parts per Assembly	Cost for each Part
655-001	Main Body	1	
655-002	Retainer Nut	1	
656-006	Collar blue	1	
655-007	Cover	1	
655-008	Pin-Screw	1	
655-041	Spring	1	
656-030	Spindle Ass'y	1	
655-017	Sm Burr Guard Ass'y		
656-033	Adaptor Ass'y HT	1	
740-001	□ Ring 3/8 ID 1/16 soft loctit	2 A/R	

Comment:

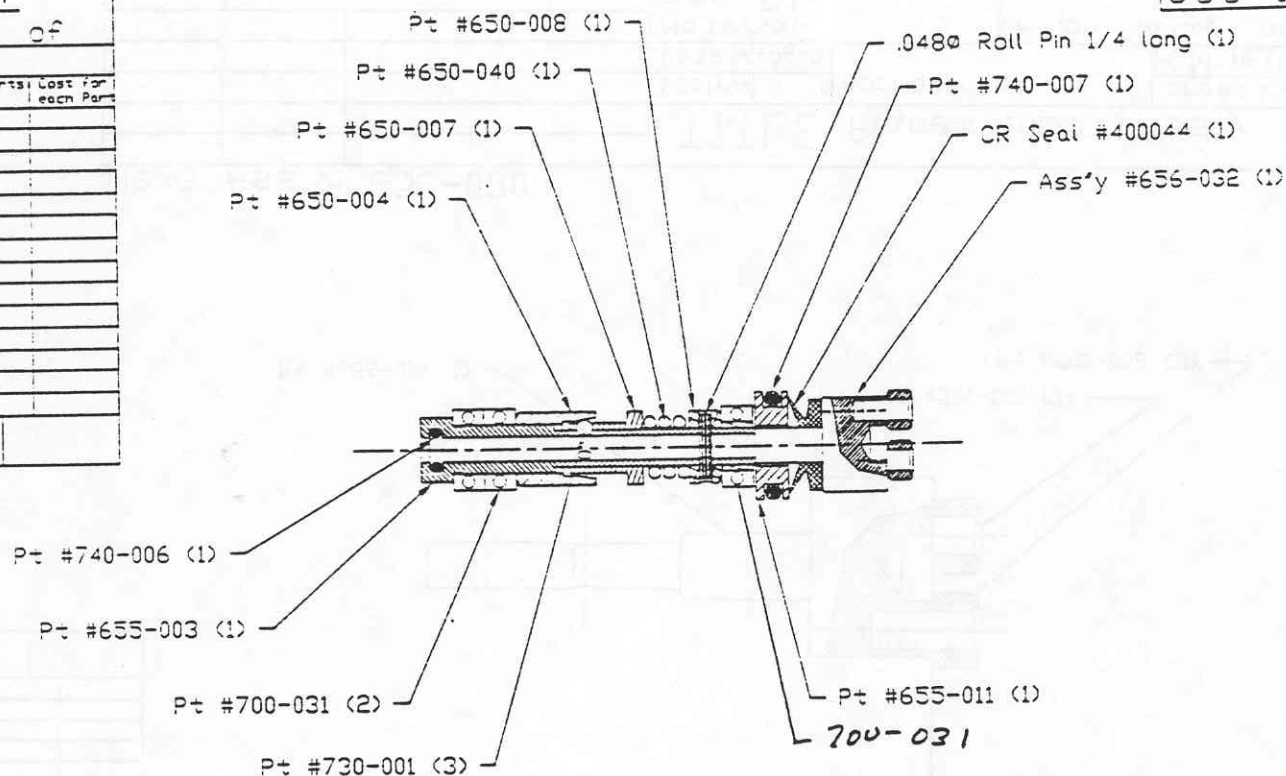
Next Ass'y: Final

TITLE H.T. Rotary Ass'y		Scale: 4:1	Approved by	Drawn by
Date: 06-21-91		see P.L.		R. Mueller
Material:		H.T. or Plating Spec.		
A 06-21-91 Release		MASTER METAL ENG. INC		656-000
REV	DATE			

PARTS-LIST

656-030

For Ass'y # 656-030		Page of
Final Ass'y # 656-000		Date:
Part-Number	Description	Number of Parts Lost for per Assembly Each Part
55-003	Spindle	1
55-011	Seal Plate	1
50-004	Closer	1
50-007	Cage	1
50-008	Bearing Support	1
50-040	Spring	1
56-032	Planet Input Ass'y	1
00-031	Ball Bearings	3
20-001	1/16 Steel Balls	3
40-008	3/64 X 3/8 Roll Pin	1
20-017	.0480 Roll Pin 1/4 long	1
40-006	ID Ring .094 ID .9mm thick	1
40-007	ID Ring	1
Comment:		



Next Ass'y: 656-000

TITLE Spindle Ass'y H.T.	
Scale: 1:1	Approved by
Date: 06-10-01	drawn by R Mueller
Material: see P.L.	H.T. or Plating Spec.
B 10-29-92 Parts list updated	Drawing Number
A 106-91-91 Release	MASTER METAL ENGINE 656-030
REV. DATE	

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216 EAST MAIN ST.

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656-032

Final Assy # 656-000

Date:

Comment:



Pt #500-001 (3)

Pt #500-002 (3)

TITLE Planet Input Ass'y

Scale: 4:1

Approved by

drawn by

Date: 06-26-91

H.T.or Plating Spec.

A	06-26-91	Release
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REV.	DATE
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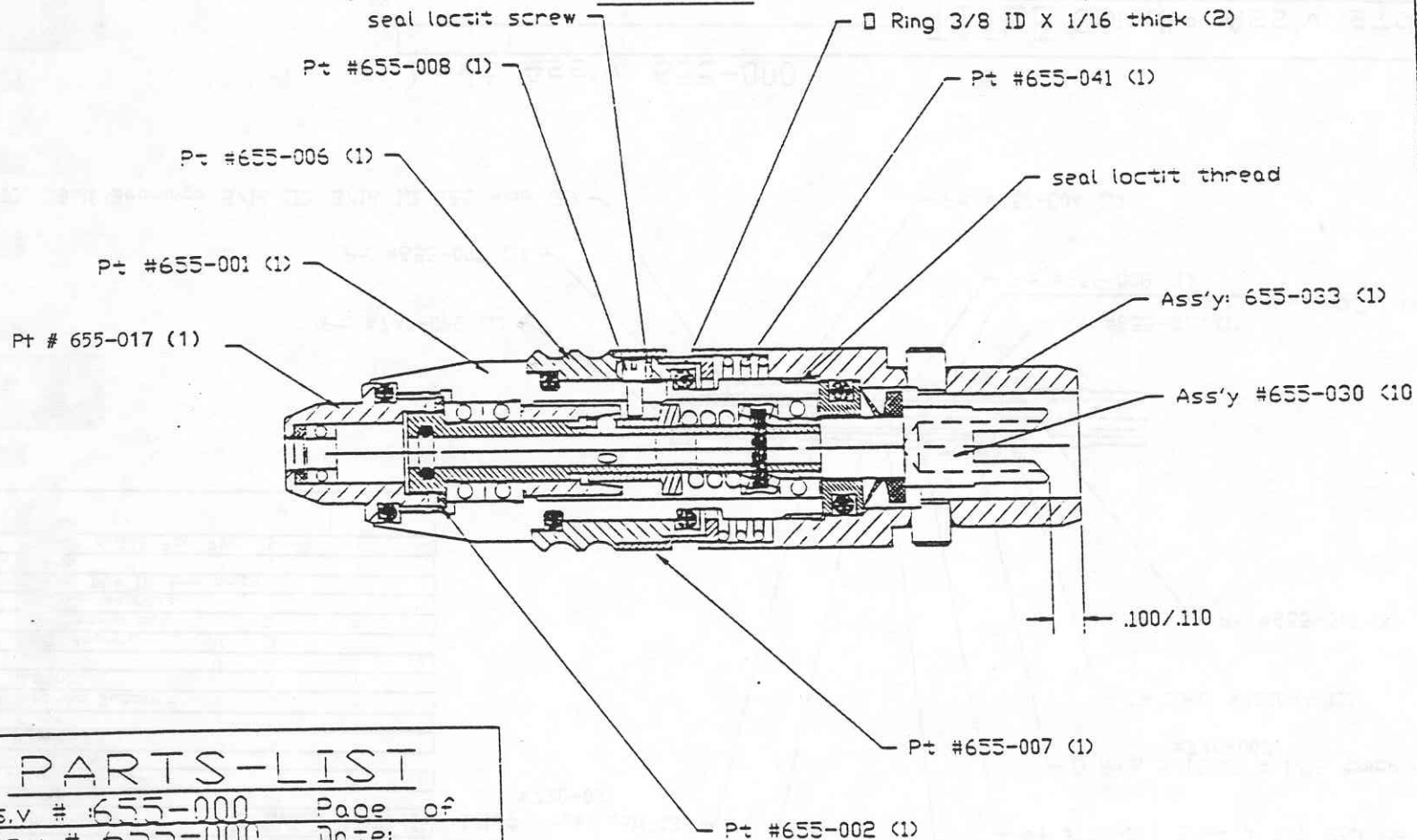
MASTER METAL ENG.INC	Drawing Number 656-032
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Drawing Number	5002
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UAM
P. O. BOX 308
216 EAST MAIN ST.
McMINNVILLE, TN 37110

655-000

PRODUCT NUMBER #9750-020 STANDARD ROTARY



PARTS-LIST

For Ass'y # 655-000 Page of
Final Ass'y # 655-000 Date:

Part-Number	Description	Number of Parts per Assembly	Cost for each Part
655-001	Main Body	1	
655-002	Retainer Nut	1	
655-006	Collar green	1	
655-007	Cover	1	
655-008	Pin-Screw	1	
655-041	Spring	1	
655-030	Spindle Ass'y	1	
655-017	Sm Burr Guard Ass'y	1	
655-033	Adaptor Ass'y	1	
740-001	□ Ring 3/8 ID 1/16	2	
	ISOFT LOCTIT	N/A	

Comment:

Next Ass'y: 655-000

TITLE STD. Rotary Ass'y	
Scale: 4:1	Approved by
Date: 06-21-91	drawn by R. Mueller
Material: see P.L.	H.T. or Plating Spec.
REV. DATE	MASTER METAL ENG. INC 655-000

UAM
P. O. BOX 308
216 EAST MAIN ST.
McMINNVILLE, TN 37110

655-030

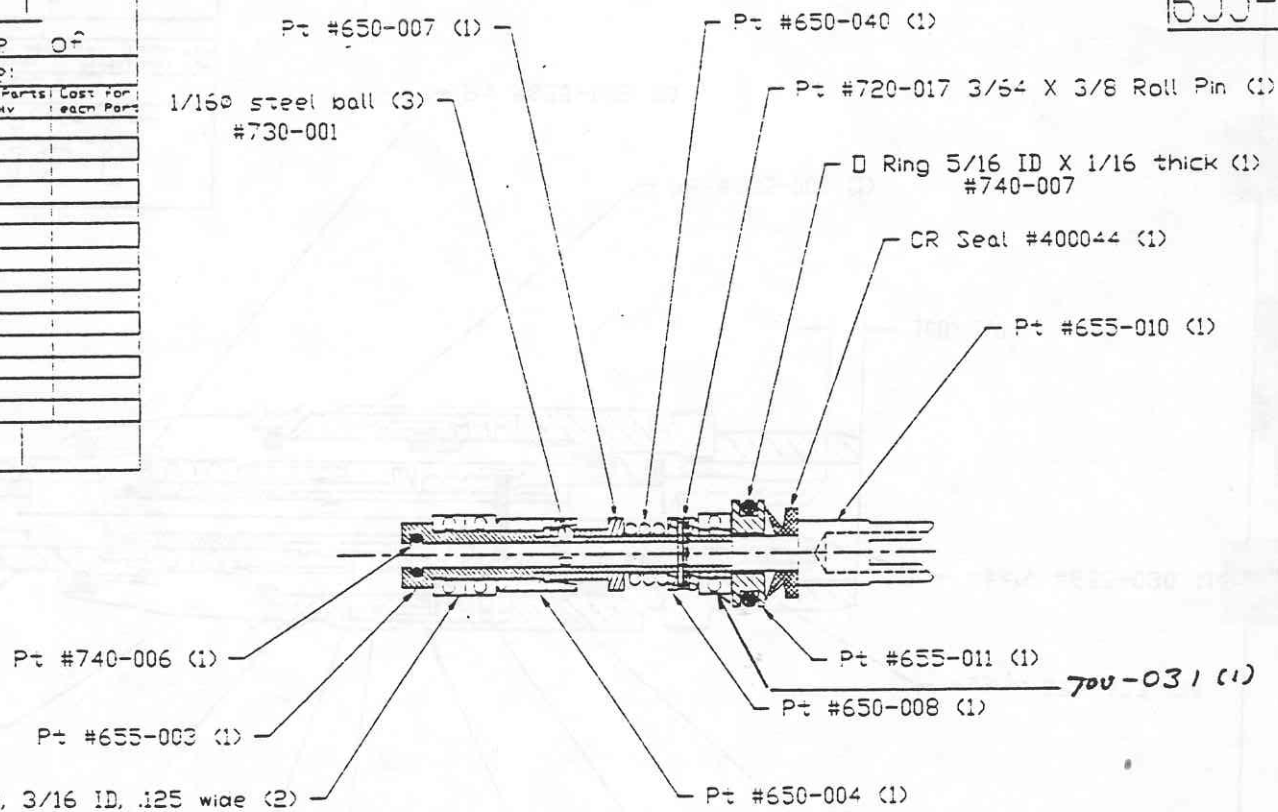
PARTS-LIST

For Ass'y # 655-030 Page of

Final Ass'y # 655-000 Date:

Part-Number	Description	Number of Parts Lost for per Assembly	each Part
655-003	Spindle	1	
655-010	Input-Driven	1	
655-011	Seal Plate	1	
650-004	Closer	1	
650-007	Cage	1	
650-008	Bearing Support	1	
650-040	Spring	1	
700-031	Ball Bearing	3	
730-001	1/16 steel ball	3	
	CR Seal #400044	1	
740-006	O Ring .094 ID .5mm thick	1	
740-007	O Ring	1	
720-017	3/64 X 3/8 Roll Pin	1	

Comment:



#700-031 Ball Bearings 5/16 OD, 3/16 ID, .125 wide (2)

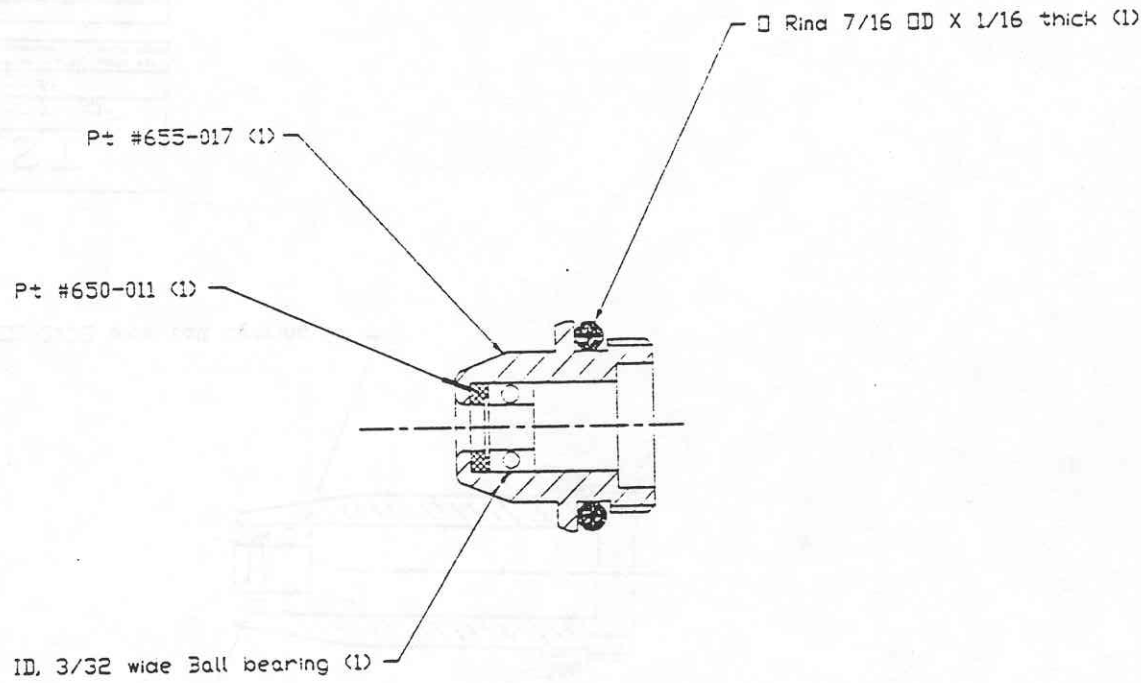
Next Ass'y: 655-000

TITLE Spindle Ass'y std.		
Scale: 2:1	Approved by	drawn by
Date: 06-19-01		R Mueller
Material:	H.T. or Plating Spec.	
3 110-29-92 parts list updated	see P.L.	
4 106-21-91 Release		
REV DATE	MASTER METAL ENGINE	
	Drawing Number 655-030	

UAIM
P. O. BOX 308
216 EAST MAIN ST.
McMINNVILLE, TN 37110

655-047

PT # 9750-120-A



700-013 3/16 OD, 3/32 ID, 3/32 wide Ball bearing (1)

PARTS-LIST

For Ass'y # 655-047 Page of

Final Ass'y # see next Ass'y Date:

Part-Number	Description	Number of Parts per Assembly	Cost per each Part
655-017	Front Nose	1	
650-011	Seal	1	
700-013	Ball Bearing	1	
740-009	O ring	1	

Next Ass'y: 655-000, 656-000

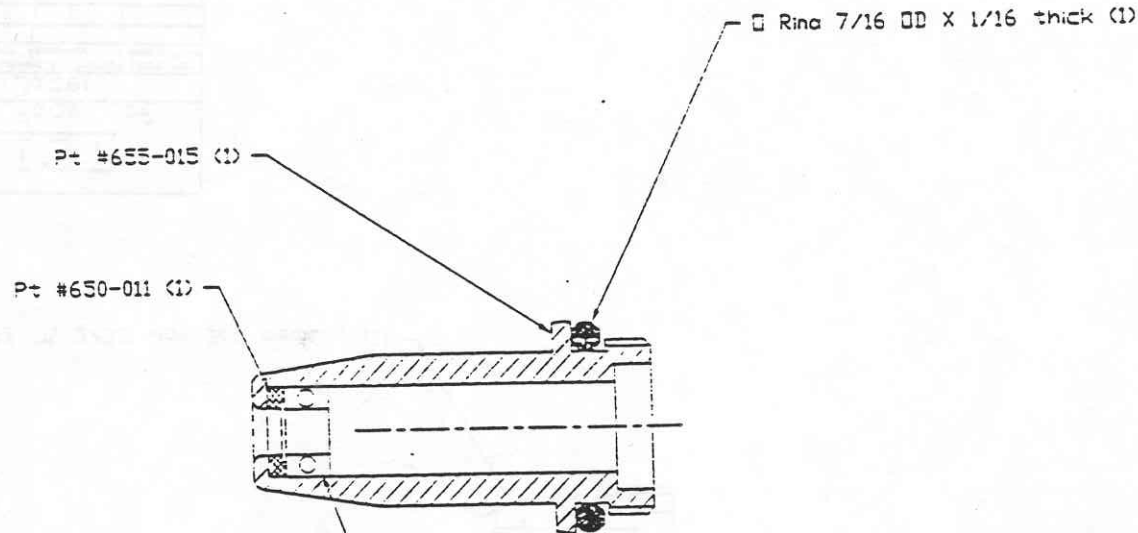
Comment:	
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Next Ass'y: 655-000, 656-000			
		TITLE Sm Burr Guard Ass'Y	
		Scale: 4:1	Approved by
		Date: 11/10/93	drawn by
		Material:	H.T. or Plating Spec.
		see P.L.	
A 11/10/93 Release		Drawing Number	
REV.	DATE	MASTER METAL ENG. INC	655-047

P. O. BOX 308
216 EAST MAIN ST.
McMINNVILLE, TN 37110

PT# 9750-121

655-045



700-013 3/16 OD, 3/32 ID, 3/32 wide Ball bearing (1)

PARTS-LIST

For Ass'y # 655-045 Page of

Final Ass'y # see next Ass'y Date:

Part-Number	Description	Number of Parts Lost for per Assembly	each Part
655-015	Front Nose 70mm	1	
650-011	Seal	1	
700-013	Ball Bearing	1	
740-009	O ring	1	

Next Ass'y: accessory 655-000, 656-000, 657-000

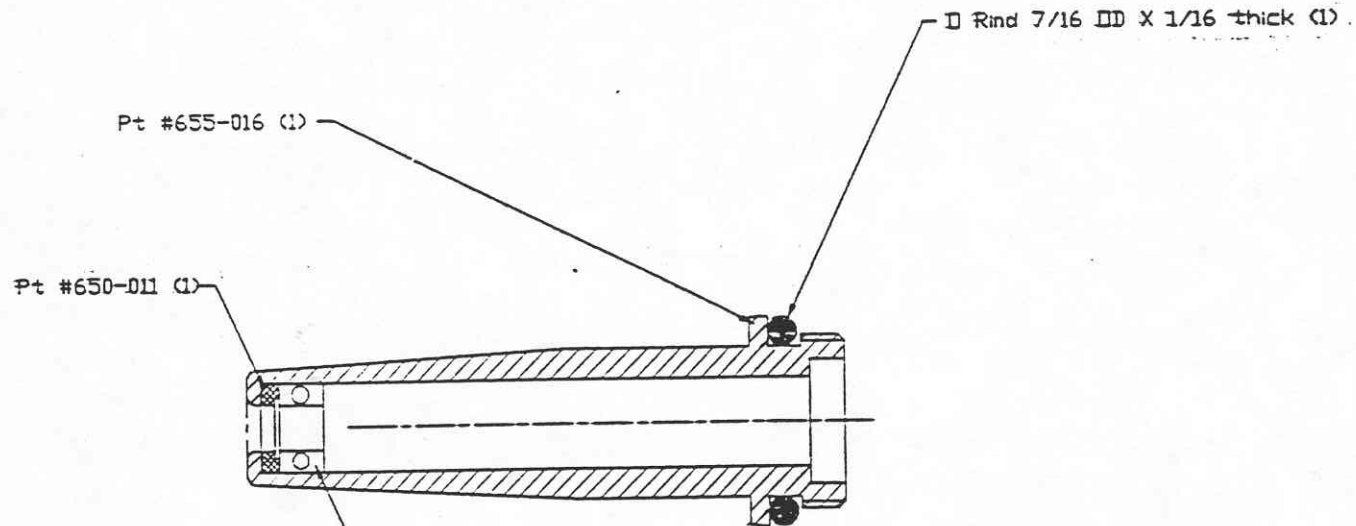
TITLE		Med. Burr Guard Ass'y	
Scale: 4:1	Approved by	drawn by	
Date: 04-11-91		R. Mueller	
Material:	H.T. or Plating Spec.		
see P.L.			
Δ 04-11-91	Release	Drawing Number	
REV. DATE	MASTER METAL ENG. INC		655-045

Comment:

UAM
P. O. BOX 308
216 EAST MAIN ST.
McMINNVILLE, TN 37110

PT# 9750-122

655-046



700-013 3/16 ID, 3/32 ID, 3/32 wide Ball bearing (1)

PARTS-LIST

For Ass'y # 655-046 Page of
Final Ass'y # see next Ass'y Date:

Part-Number	Description	Number of Parts per Assembly	Cost for each Part
655-016	Front Nose 95mm	1	
650-011	Seal	1	
700-013	Ball Bearing	1	
740-009	O ring	1	

Next Ass'y: accessory 655-000, 656-000, 657-000

Comment:	
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TITLE Lg. Burr Guard Ass.y	
Scale: 4:1	Approved by
Date: 04-11-91	R. Mueller
Material: see P.L.	H.T. or Plating Spec.
A 04-11-91 Release	Drawing Number
REV. DATE	MASTER METAL ENG. INC 655-046



TM

UNITED AMERICAN MEDICAL CO.

SURGICAL POWER INSTRUMENTS & ACCESSORIES

DECEMBER 15, 1993

3.4 DOCUMENTATION, 3.5.1.1
REPAIR PARTS SUPPORT KITS9750-104 CONSOLE:KIT NUMBER 9750-104-00

<u>PART NUMBER</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
800038	1EA	2XFMR, 2.8A, SIGA41-80-1464 W/INT CUT OFF
330029	1EA	CABLE ASSY AUDIO CONN
330026	1EA	CABLE ASSY FOOT CONTROL
330028	1EA	CABLE ASSY MOTOR CONNECTOR
830018	1EA	2 SWITCH ROCKER DPST BLK/RED PLUG
330016	1EA	1 PCB ASSY CONTROL BOARD
330017	1EA	1 PCB ASSY POWER BOARD, ITEM #17
830033	2EA	2 FUSE 2.0AMP, FAST ACT
850014	5EA	2 FOOT BUMPER, TAPER BLACK

NOTE: NO SPECIAL TOOLS REQUIRED TO DISASSEMBLE CONSOLE BY
QUALIFIED ELECTRICAL TECHNICIAN, REFERENCE DIAGRAMS OR
CONTACT REPAIR DEPARTMENT OF "UAM", INC.

PAGE 1.1



UNITED AMERICAN MEDICAL CO.

SURGICAL POWER INSTRUMENTS & ACCESSORIES

DECEMBER 15, 1993 **QUALITY ASSURANCE PROVISIONS:**

TO COMPLY WITH MIL-DTD-105, SAMPLING FOR EXAMINATION,
S-II AND AQL OF 2.5

DIELECTRIC STRENGTH: TESTED BY ASEPTICO, INC. FOLLOWING
GMP STANDARDS SET BY F.D.A., 9750-104 CONSOLE.

BURN-IN: 9750-104 CONSOLE SUBJECTED TO 50 CONTINUOUS
HOURS. ASEPTICO AND UNITED AMERICAN MEDICAL STANDARDS.

OPERATION TEST [9750-104 CONSOLE] [9750-250R MOTOR]

TESTED PER F.D.A. GMP STANDARDS, E.T.L. TESTING LAB
REQUIREMENT, ALL FUNCTIONS FULLY OPERATIONAL.

OPERATION TEST [9750-117 VARIABLE FOOTSWITCH W/REVERSE]:

TESTED PER F.D.A. GMP STANDARDS, AND UAM QUALITY CONTROL,
ALL FUNCTIONS FULLY OPERATIONAL.

RUNOUT [9750-020 AND 9750-021 ROTARY HANDPIECES]:

100% QUALITY ASSURANCE TESTING DONE ON EACH HANDPIECE,
MASTER METAL ENGINEERING AND INTENN ENGINEERING PERFORMED
BURR RUNOUT TESTS.

CONTRACTOR CERTIFICATION: UNITED AMERICAN MEDICAL CO., INC.
HAS PROVIDED DRAWINGS, SPECIFICATIONS, AND QUALITY CONTROL
PRACTICES TO CERTIFY THE PRODUCT CONFORMS TO THE ABOVE.

PAGE 1.



UNITED AMERICAN MEDICAL CO.

SURGICAL POWER INSTRUMENTS & ACCESSORIES

DECEMBER 15, 1993

3.4 DOCUMENTATION, 3.5.1.1
REPAIR PARTS SUPPORT KITS

9750-250R MOTOR

KIT NUMBER 9750-250R-00

<u>PART NUMBER</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
9750-120	1EA	MOTOR CORD ASSEMBLY, W/300CM WHITE CORD
615-006	1EA	DRIVER
700-015	2EA	BEARINGS
740-001	3EA	"O" RINGS
600-036	1EA	SPRING

NOTE: NO SPECIAL TOOLS REQUIRED.

PAGE 1.2



UNITED AMERICAN MEDICAL CO.

SURGICAL POWER INSTRUMENTS & ACCESSORIES

DECEMBER 15, 1993

3.4 DOCUMENTATION, 3.5.1.1
REPAIR PARTS SUPPORT KITS

9750-021 AO LOW RPM, FIXATION ROTARY HANDPIECE:

9750-020 STANDARD RPM ROTARY HANDPIECE:

KIT NUMBER FOR BOTH HANDPIECES 9750-020-00

<u>PART NUMBER</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
655-008	1EA	PIN SCREW
700-031	3EA	BEARINGS
740-001	2EA	"O" RINGS
740-006	1EA	"O" RING
740-007	1EA	"O" RING

NOTE: SPECIAL TOOLS FOR ROTARY HANDPIECE DISASSEMBLY

T655-002	1EA	LOCK NUT SPANNER WRENCH
T655-003	1EA	ADAPTOR ASSEMBLY WRENCH

TOOLS NOT INCLUDED WITH PARTS KIT.

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UNITED AMERICAN MEDICAL CO.

SURGICAL POWER INSTRUMENTS & ACCESSORIES

DECEMBER 15, 1993 3.4 DOCUMENTATION, 3.5.1.1
REPAIR PARTS SUPPORT KITS

9750-117 VARIABLE SPEED FOOTSWITCH W/REVERSE:

KIT NUMBER 9750-117-00

<u>PART NUMBER</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
03001	1EA	FORWARD REVERSE SWITCH
03002	1EA	MICRO SWITCH
04001	1EA	CABLE ASSEMBLY
05001	1EA	SPRING [COMPRESSION]
05003	1EA	TOP COVER
01001	1EA	PC BOARD ASSEMBLY

NOTE: NO SPECIAL TOOLS REQUIRED TO DISASSEMBLE FOOTSWITCH
BY QUALIFIED ELECTRICAL TECHNICIAN, REFERENCE DIAGRAMS OR
CONTACT REPAIR DEPARTMENT OF "UAM", INC.

PAGE 1.4



UNITED AMERICAN MEDICAL CO.

SURGICAL POWER INSTRUMENTS & ACCESSORIES

DECEMBER 15, 1993 3.4 DOCUMENTATION, 3.5.1.1
REPAIR PARTS SUPPORT KITS

9750-117 VARIABLE SPEED FOOTSWITCH W/REVERSE:

KIT NUMBER 9750-117-00

<u>PART NUMBER</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
03001	1EA	FORWARD REVERSE SWITCH
03002	1EA	MICRO SWITCH
04001	1EA	CABLE ASSEMBLY
05001	1EA	SPRING [COMPRESSION]
05003	1EA	TOP COVER
01001	1EA	PC BOARD ASSEMBLY

NOTE: NO SPECIAL TOOLS REQUIRED TO DISASSEMBLE FOOTSWITCH
BY QUALIFIED ELECTRICAL TECHNICIAN, REFERENCE DIAGRAMS OR
CONTACT REPAIR DEPARTMENT OF "UAM", INC.

PAGE 1.4



REPORT

ETL TESTING LABORATORIES, INC.

INDUSTRIAL PARK

CORTLAND, NEW YORK 13045

Order No. 72676-208

Date: June 17, 1993

REPORT NO. 526936

INSPECTION, TESTS, AND EVALUATION OF A MEDICAL BONE CUTTING SYSTEM

RENDERED TO

UNITED AMERICAN MEDICAL COMPANY, INC.
McMINNVILLE, TN

GENERAL:

This report gives the results of the inspection, tests, and evaluation of the subject equipment for compliance with the applicable requirements of the Standard for Medical and Dental Equipment, (UL 544 - 2nd Edition, July 1976). This investigation was authorized by Mr. Thomas L. Walling Jr., and was conducted from March 8, 1993 to June 17, 1993.

The sample was provided by the customer and was tested at Inchcape Testing Services's Northwest facilities.

MEDICAL AND DENTAL EQUIPMENT (Category 6)

PARTICIPANT:

United American Medical Company, Inc.
P.O. Box 308
216 E. Main Street
McMinnville, TN 37110

MANUFACTURER:

Aseptic
19501 144th Ave. NE #B-400
Woodinville, WA 98072

An independent organization testing for safety and performance.

Inchcape Testing Services

Report No. 526936

Page 2

Issued: 6/17/93

CONSTRUCTION

PRODUCT COVERED: Model 9750-104 Console with 9750-250 Motor and 9750-117 Foot Switch.

PRODUCT DESCRIPTION:

The product covered by this report is a variable speed medical bone cutting/drilling tool. The system consists of a console, a motor, and a foot switch as described herein. The motor is capable of accepting various drilling and cutting attachments. (See illustrations 1 and 2 for samples.) All power within the system is in the secondary of an isolation transformer. The unit is intended to be counter supported and cord connected to the supply source.

ELECTRICAL RATING: 110-120 V, 60 Hz, 2 A; (See illustrations 3 and 4 for schematics)
220-240 V, 60 Hz, 1 A.

GENERAL:

Construction Details - For specific construction details, reference should be made to the following photographs and descriptions. All dimensions are approximate, unless otherwise specified. In addition to the specific construction details described in the photographs, the following general requirements also apply:

1. Spacings - Minimum spacings, as indicated below, are maintained in primary circuits between uninsulated live parts of opposite polarity and dead metal parts.

Potential Involved (V)	Over Surfaces (in)	Through Air (in)
0 - 125	1/16	1/16
126 - 250	3.32	3/32

2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals, and display lamps are reliably mounted and prevented from shifting or rotating by lockwashers, starwashers, or the mounting format.
3. Internal Wiring - Internal wiring is reliably routed away from sharp or moving parts. Internal wiring leads terminate in soldered connections made mechanically secure prior to soldering, separable (quick disconnect) connectors of the positive detent type, closed loop connectors, Amp or Molex connectors or other types specifically described in the text of this report. At points where internal wiring passes through metal walls or partitions, the wiring insulation is protected against abrasion or damage due to sharp edges by well rounded edges, plastic bushings or grommets. All primary wiring is Recognized, minimum 18 AWG, rated minimum 300 volts, 80°C.
4. Corrosion Protection - All ferrous metal parts are suitably protected against corrosion by painting, plating or the equivalent.
5. Bonding - All exposed dead metal parts and all dead metal parts within the enclosure that are exposed to contact during any servicing operation and that are likely to become energized, are reliably connected to the grounding lead of the power supply cord. Removable bottom is bonded to top as shown in photo 4.

Inchcape Testing Services

Report No. 526936

Page 3

Issued: 6/17/93

6. Current Carrying Parts - All current carrying parts in primary circuitry are silver, copper, or a copper-based alloy.
7. Accessibility of Live Parts - All uninsulated live parts in primary circuitry are housed within metal enclosure and are adequately protected from contact by the articulated finger probe.
8. Overload Protection - The overall system is protected against overload by use of Listed fuses as described herein.
9. Sharp Edges - All metal corners of the console enclosure are rounded to a 0.125" radius.
10. Power Supply Cord - The system is provided with a Listed Hospital Grade type SJT 18/3 60°C minimum detachable power supply cordset with an integral 125 V, 10 A plug. A tag is provided on the cord near the attachment plug stating "Connect to Hospital Grade Receptacle Only".
11. Markings - Markings shall be metal nameplates, silkscreened or engraved onto the equipment, or printed on Recognized adhesive-backed labels suitable for use on the surface applied and rated min. 60°C. Each product shall be legibly and permanently marked with the following items and with those specified in the text of this report. Precautionary signal words should be in letter minimum 7/64 inch high.
 - (a) Manufacturers name or trademark, catalog number, and serial number.
 - (b) Electrical ratings, including volts, frequency and amperes.
 - (c) Voltage selector switch positions marked "110/220 V".
 - (d) Motor receptacle marked "MOTOR", foot switch receptacle marked "FOOT SWITCH", and signal receptacle marked "SIGNAL".
 - (e) Service label: "CAUTION: ELECTRICAL SHOCK HAZARD. DO NOT REMOVE COVER OR SCREWS. REFER TO QUALIFIED SERVICE PERSONNEL.", or equivalent.
 - (f) Flammable anesthetics label: "DANGER: POSSIBLE EXPLOSION HAZARD IF USED IN PRESENCE OF FLAMMABLE ANESTHETICS.", or equivalent.
 - (g) Fuse replacement label: "WARNING: Risk of fire. Replace fuse as marked, ___V, ___A.", or equivalent. Where the blanks are filled in with the fuse size as described herein.
12. Instruction Manual - Each unit shall be equipped with an instruction manual. See illustrations 5 through 19 for details.
13. List and Recognized Components - Whenever this Report identifies a component as "Listed" or "Recognized", that component is and always shall be Listed or Recognized by a Nationally Recognized Testing Laboratory (NRTL).

Inchcape Testing Services

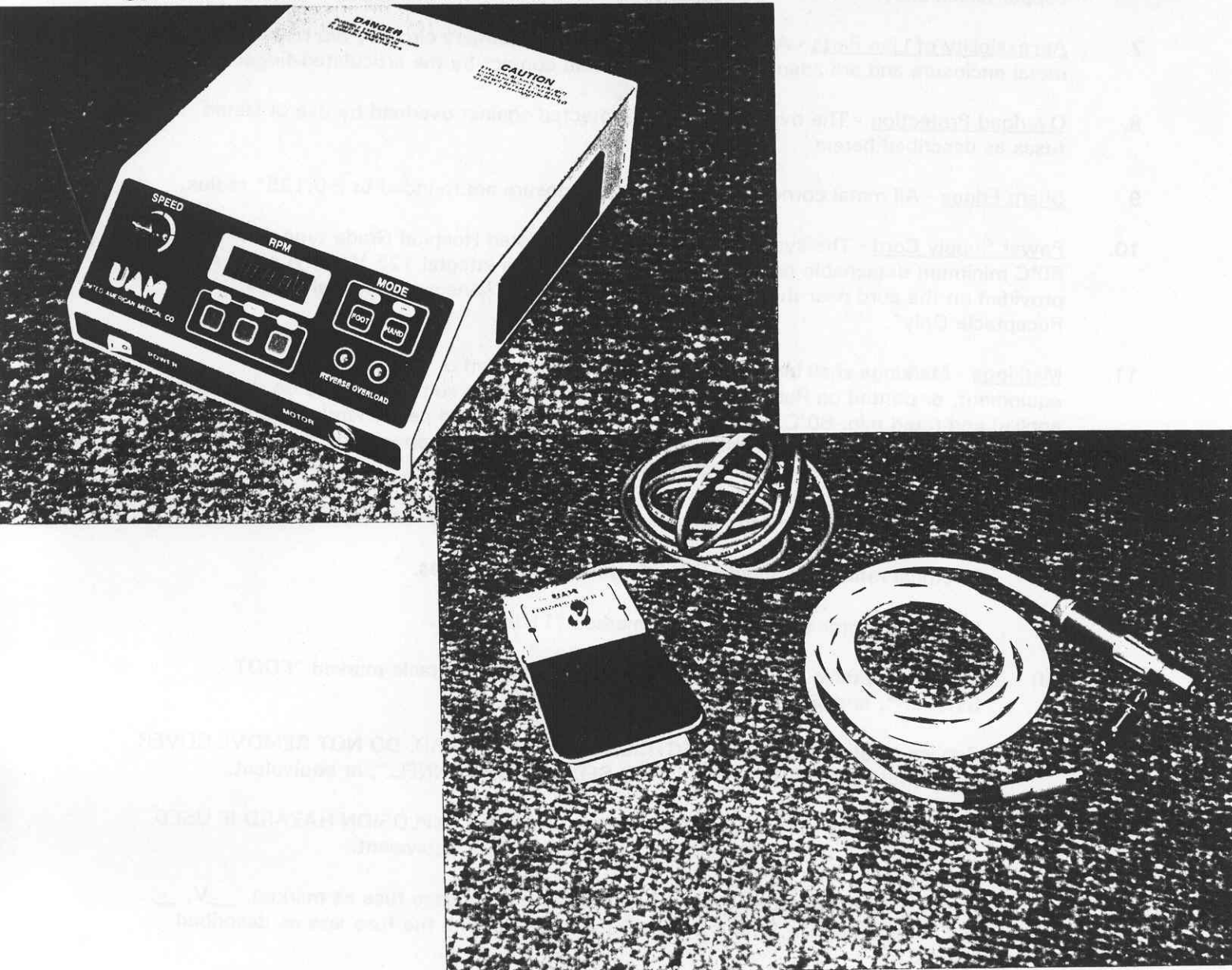
Report No. 526936

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Issued: 6/17/93

Photo Nos. 1 and 2

GENERAL: Photos 1 and 2 show a overall views of the console, motor, and foot switch.



Console Enclosure: Metal and plastic. Sheet aluminum, nominal thickness 0.08". Plastic handles are G.E., Cyclocac type KJB, minimum thickness, 1.47 mm, rated 94V-0. Shaped as shown.

Console Power Switch: Any manufacturers Recognized or Listed switch rated minimum 250 VAC, 2 A. Positions are marked On/Off, I/O, or equivalent. Fitted in a rectangular hole to prevent turning.

Console Display/Controls: Isolated in the transformer secondary.

Foot Switch Enclosure: Metal, same material as console enclosure. Cable is type CM Shielded, 8 conductor, 24 AWG, 75°C.

Motor: See illustrations 20 through 27 for construction details.

Inchcape Testing Services

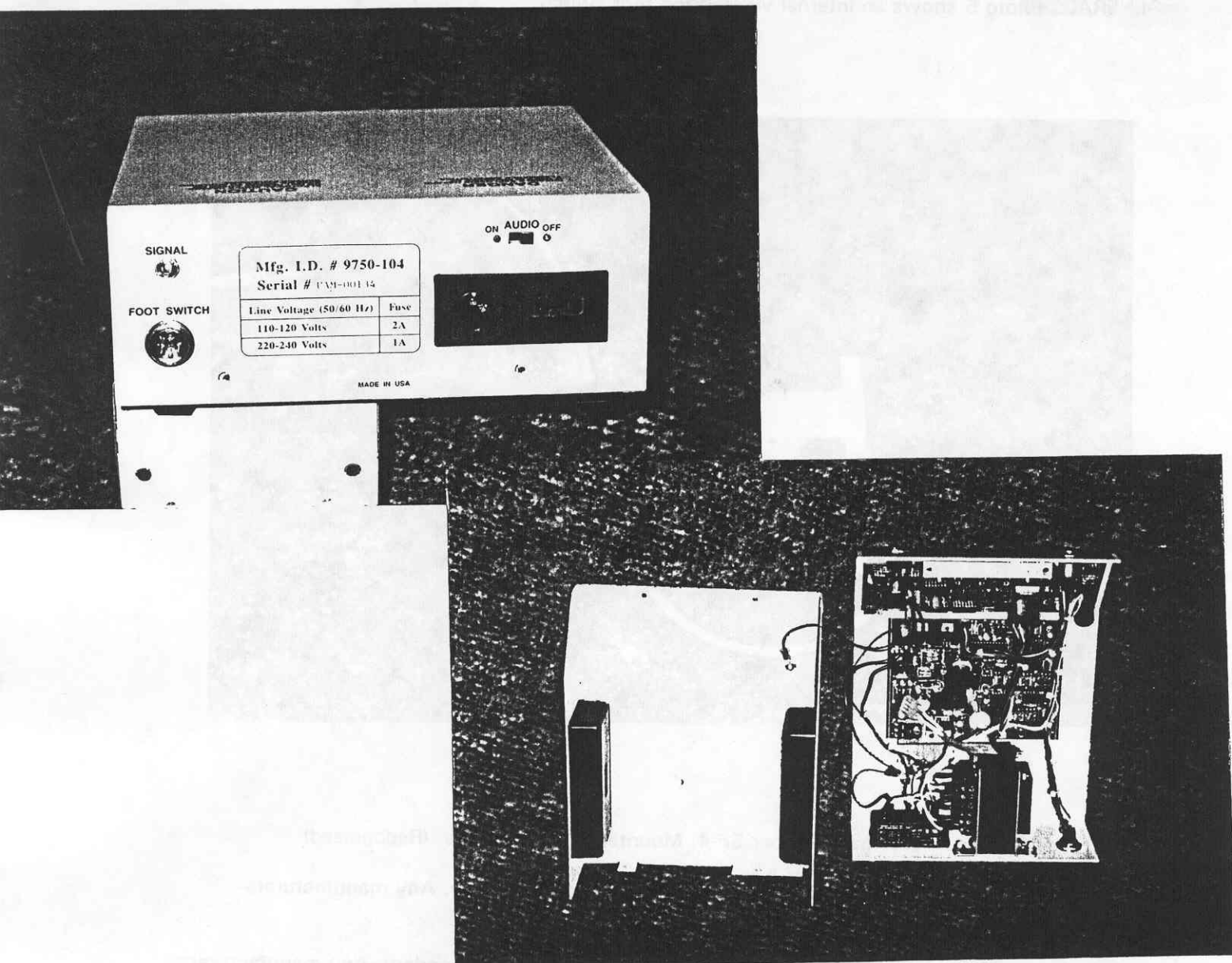
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Issued: 6/17/93

Photo Nos. 3 and 4

GENERAL: Photos 3 and 4 show a rear and internal view of the console.



Input Power Module: Recognized. Interpower, P/N 83510170, rated 250 V, 48-440 Hz, 6 A. Fuse provided: 120 V model - 250 V, 1.6 A; 220 V model - 250 V, 0.8 A. (Listed).

Signal/Foot Switch/Motor Receptacles: All located in the transformer secondary. Any manufacturers components rated 30 VDC minimum.

Audio Switch: All located in the transformer secondary. Any manufacturers components rated 30 VDC minimum.

Transformer: Recognized. Signal Transformer, Model A41-80-1464, primary rated 120/240 V, secondary rated 28 V. Provided with an internal thermal fuse rated 109°C.

Printed Wiring Boards: All located in the transformer secondary. See generals for details.

Inchcape Testing Services

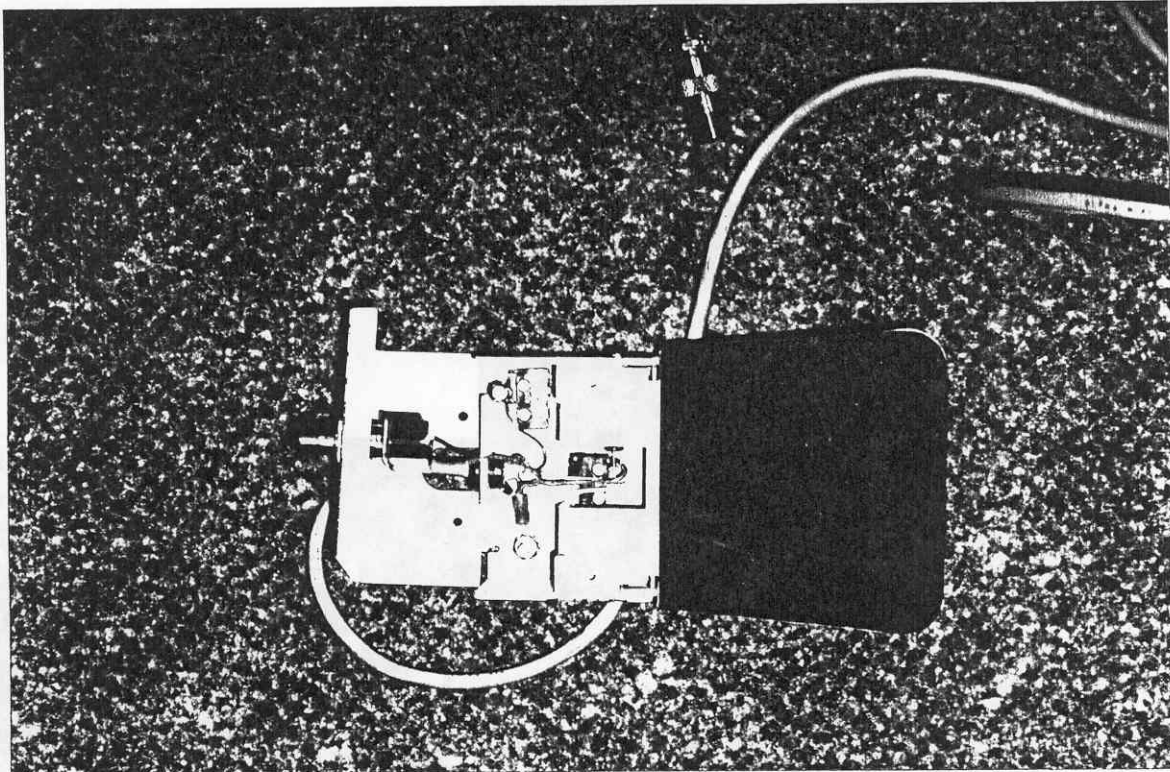
Report No. 526936

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Issued: 6/17/93

Photo No. 5

GENERAL: Photo 5 shows an internal view of the foot switch.



Strain Relief Clamp: Heyco, part number 5P-4. Mounted in a "DD" hole. (Recognized)

Motor Direction Switch: Located in the isolated transformer secondary. Any manufacturers Recognized switch.

Limit Switches: Two provided. Located in the isolated transformer secondary. Any manufacturers Recognized switches.

Bonding: Green conductor of cable is connected to the switch enclosure as shown.